Founded in 1992, Extronics has over 25 years of experience serving the process industries, such as oil and gas, chemical, pharmaceutical, and mining. We specialise in developing and manufacturing intrinsically safe and explosion proof equipment for use in hazardous areas, and rugged products for industrial environments.

SMART – at the forefront of technology, Extronics products are developed by our experienced R&D team to solve problems experienced by companies in the process industries.

SAFE – With a strict quality policy and ISO9001 manufacturing system, Extronics certifies its products in accordance with ATEX, IECEx, and North American regulations for explosive atmospheres. Plus, all our products are designed to be rugged for practical industrial use.

CONNECTED – our strategy aligns with the Internet of Things and Industry 4.0 movements. Extronics offerings integrate with other systems to provide enterprise solutions that save our customers time and money.

We're dedicated to delivering world-class products and solutions that help our customers work smart, safe, and connected. Working hard, doing right by our customers, and taking responsibility are at the core of Extronics.

Our experienced team of engineers have a proven track record of creating customised solutions for wireless, RTLS, auto ID, and backup power.

- solutions created to meet your specific requirements
- comprehensive supporting documentation package
- full project management
- flexible, responsive service

Get the right solution for you

Our highly knowledgeable Engineering team fully assess your requirements against the regulations for hazardous areas to determine the most practical, cost-effective solution. One of our team will act as Project Manager for you, keeping you informed about the progress of your solution.

Full documentation package for auditing

Every Extronics solution comes with comprehensive documentation. This will include regulatory documentation for hazardous area certification (such as ATEX, IECEx, MET, FM etc.), EU declarations of conformity, safety manuals, plus all the mechanical drawings and documents produced during the project. This enables you to easily demonstrate compliance in an audit situation.

Purpose-designed facilities

Our premises in Cheshire, UK, provide an ideal production environment and include a broad range of CNC, milling, drilling, and associated machinery. These enable Extronics to provide a comprehensive, flexible and responsive service for both standard and bespoke engineering requirements.

Let us help you – contact Extronics Sales with your requirements for a free, no obligation quotation.
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Networking Solutions</td>
<td>2</td>
</tr>
<tr>
<td>Wireless Access Points</td>
<td>3</td>
</tr>
<tr>
<td>Wireless Access Point Accessories</td>
<td>5</td>
</tr>
<tr>
<td>iSOLATE Technology</td>
<td>6</td>
</tr>
<tr>
<td>Antennas</td>
<td>7</td>
</tr>
<tr>
<td>Antenna Accessories</td>
<td>11</td>
</tr>
<tr>
<td>Real Time Location Solutions</td>
<td>12</td>
</tr>
<tr>
<td>Tags</td>
<td>14</td>
</tr>
<tr>
<td>Tag Accessories and Batteries</td>
<td>20</td>
</tr>
<tr>
<td>Exciters</td>
<td>22</td>
</tr>
<tr>
<td>Exciter Power &amp; Mounting Options</td>
<td>24</td>
</tr>
<tr>
<td>Hardware Management</td>
<td>25</td>
</tr>
<tr>
<td>Evaluation &amp; Development</td>
<td>26</td>
</tr>
<tr>
<td>Software</td>
<td>27</td>
</tr>
<tr>
<td>Integrations</td>
<td>29</td>
</tr>
<tr>
<td>Training</td>
<td>30</td>
</tr>
<tr>
<td>Auto ID Solutions</td>
<td>31</td>
</tr>
<tr>
<td>Passive RFID</td>
<td>32</td>
</tr>
<tr>
<td>Barcode Scanners</td>
<td>35</td>
</tr>
<tr>
<td>Barcode Scanner Accessories</td>
<td>36</td>
</tr>
<tr>
<td>Back Up Power Solutions</td>
<td>38</td>
</tr>
<tr>
<td>Uninterrupted Power Supplies</td>
<td>39</td>
</tr>
<tr>
<td>Battery Options</td>
<td>40</td>
</tr>
<tr>
<td>Vision Solutions</td>
<td>42</td>
</tr>
</tbody>
</table>

We make every effort to ensure the information within this catalogue is correct, but for the latest product information and full certification details, please refer to the product datasheets available on www.extronics.com.

Latest update: January 2020
Extronics’ wireless networking solutions enable you to digitise your site for better communication, improved efficiency, and increased safety.

Using our enclosure systems, you can deploy non-certified wireless communication technology such as Wi-Fi access points, IoT gateways, RFID readers, LTE routers, and more into hazardous areas without needing further certification. You can take your pick of infrastructure vendors too, using market-leading equipment from vendors like Cisco, Aruba, Emerson, ABB, Honeywell, SICK, CAEN, and many more.

With iSOLATE technology to make RF outputs intrinsically safe, you can use non-certified simple apparatus antennas like the iANT2xx range, and even swap them easily by hand without having to power down the equipment or get a Hot Work Permit.

**Leverage for other applications**

Improve the ROI of your wireless network by using it for multiple applications and improve operations throughout your site, such as communications, data analysis, and real-time location of personnel and assets.

- Access your trapped data
- Carry out predictive maintenance
- Manage assets and inventory more efficiently
- Improve worker safety
- Quicker communications
- Streamline processes
- Increase productivity
- Reduce wastage
Wireless Access Points

iWAP107 Zone 1 Universal Access Point Enclosure System

Not just an enclosure, but a fully certified system including our innovative iSOLATE RF barriers; the iWAP107 enables cost effective wireless networking in hazardous areas.

- Choose your access point from leading WLAN vendors such as Cisco, Aruba, Siemens, and more - extend your existing wireless infrastructure into hazardous areas
- Easy antenna installation with standard tools - Use your choice of simple apparatus antennas with the intrinsically safe RF outputs – antennas can also be hot swapped for minimal downtime

Certification
ATEX / IECEx Zone 1, 2, 21, and 22
Mining M2
US & Canada Class I Div 1 / Zone 1 and 21

Ordering Information
This is a configured product – for specification details and order codes, please refer to the datasheet on www.extronics.com
**iWAP202 Zone 2 Access Point Enclosure System**

The iWAP202 was designed to enable wireless deployments in ATEX Zone 2 hazardous areas. Using the same ISOLATE technology as our Zone 1 iWAP107, the iWAP202 is a practical way to ensure safe wireless connectivity.

- Choose your access point from leading WLAN vendors such as Cisco, Aruba, Lancom, Firetide, and more
- Extend your existing wireless infrastructure into hazardous areas
- Use your choice of simple apparatus antennas with the intrinsically safe RF outputs – antennas can also be hot swapped for minimal downtime
- Rugged, durable design in 316L stainless steel

**Certification**

ATEX Zone 2, 21, and 22

**Ordering Information**

This is a configured product – for specification details and order codes, please refer to the datasheet on www.extronics.com

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**iWAP XN3 Zone 2/Div 2 Universal Wireless Enclosure System**

The iWAP XN3 is a safe, reliable way to use the latest wireless technologies in Zone 2 and Division 2 hazardous areas. Available in four standard sizes to accommodate a wide range of internal equipment sizes, the iWAP XN3 is a practical solution for wireless networking and communications, enabling the digital transformation of your site.

- Use any wireless infrastructure, such as Wi-Fi Access Points, IoT gateways, RFID readers, LTE routers, and more
- Optimise performance using your choice of simple apparatus antennas thanks to the intrinsically safe RF outputs – antennas can also be hot swapped for minimal downtime
- Rugged, durable design in marine grade copper-free aluminium alloy with IP66 / NEMA 4 ingress protection

**Certification**

ATEX / IECEx Zone 2 and 22
US & Canada Class I, II, III Div 2

**Ordering Information**

This is a configured product – for specification details and order codes, please refer to the datasheet on www.extronics.com

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NEW!
A290001 POE/Ethernet Extender

The A290001 is an ATEX and IECEx certified POE/Ethernet extender for use in hazardous areas. Using the A290001 in your installation brings the benefits of POE to the whole site. Installation costs become more predictable, as the A290001 offers a fast and low-cost solution to underestimated cable lengths or changes to equipment locations.

- Increase the reach of your cable runs up to 1000m
- Cost-effective way to power equipment such as IP cameras or access points
- Practical, easy installation

Certification
ATEX / IECEx Zone 1, 2, 21, and 22

Ordering Information
Product Code
A290001MAX
Description
Ex d Ethernet Extender for POE & POE Plus Equipment (marine grade copper free aluminium light alloy enclosure, supplied with no cable glands)

A290001LITE
Ex d Ethernet Extender for Non-POE Connections (marine grade copper free aluminium light alloy enclosure, supplied with no cable glands)

Also available in 316L Stainless Steel, please contact Extronics Sales for more information.

Wireless Access Point Accessories

iWAP107 Pole Mount Bracket Kit
Contains complete set of brackets & fixings for mounting to pole diameter 58.7mm - 63.5mm (2¼ - 2½" inch). Additional pipe bracket clips available on request for alternative pole diameters.

Ordering Information
Product Code
IWAPMB03

iWAP107 Double Suction Door Opening Tool
Used for opening Ex d enclosure doors size of iWAP107 and above. Rated 50KG. This item is available to purchase separately, but is included FOC with each shipment of iWAP107 (1 tool per 1-10 iWAPs).

Ordering Information
Product Code
8580001

iWAP20x Pole Mount Bracket Kit
Pipe mount bracket kit to enable the unit to be fixed to a pipe or rectangular post.

Ordering Information
Product Code
IWAPMB04

iWAP200 Triple Antenna Bracket Kit
Bracket kit to mount three antennas for iWAP200, in 316L stainless steel.

Ordering Information
Product Code
IWAPMB05
iSOLATE Technology

iSOLATE501 Intrinsically Safe Ultra-Wide Band RF Galvanic Isolator

The iSOLATE501 is a hazardous area approved RF galvanic isolator that can be used inside Ex d enclosures in Zone 1 and 21. The unit itself may be mounted within a suitable enclosure in Zone 2 and 22, or used in safe areas to protect equipment mounted in hazardous areas.

- Make standard RF outputs intrinsically safe to use simple apparatus antennas, such as the iANT2xx range, in hazardous areas
- Ultra-wide bandwidth, giving you high performance from 150MHz to 8 GHz
- Small, lightweight, and easy to install, the iSOLATE501 comes with SMA connectors as standard

Certification
ATEX / IECEx Zone 0, 1, 2, 20, 21, and 22
Mining MI
US & Canada Class I, II, III Div 1 / Zone 0, 1 and 2

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOLATE501</td>
<td>ISOLATE501 Ultra-wide band IS RF isolator</td>
</tr>
</tbody>
</table>

iSOLATE-CT Explosion Proof Connector Transit

The iSOLATE-CT is an explosion RF proof connector transit, created to make wireless deployments in hazardous areas quicker and simpler. It works alongside the Extronics iSOLATE501 galvanic isolator, which makes RF outputs intrinsically safe, to enable easy installation and improve efficiency, helping you save time and money.

- Quick, easy antenna installation with industry-standard IP66 N-type connector – simply screw on
- Rugged design with an extended temperature range and able to withstand extremely high pressure
- Reduced downtime – able to hot swap antennas by hand if used in conjunction with the iSOLATE501

Certification
ATEX / IECEx Zone 1, 2, 21 and 22
Mining M2
US & Canada Class I, II, III Div 1 / Zone 1 and 21

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOLATE-CT-01</td>
<td>Explosion-proof N-type RF connector transit with M20 thread and N-female connector</td>
</tr>
<tr>
<td>ISOLATE-CT-02</td>
<td>Explosion-proof N-type RF connector transit with ¾” NPT thread and N-female connector</td>
</tr>
</tbody>
</table>
Antennas

The Extronics iANT2xx range of antennas is classed as simple apparatus under international intrinsic safety standards, having been fully assessed by our expert team. Using simple apparatus antennas instead of certified antennas gives you a wider choice of antenna options and reduces the cost, making it a practical way to deploy Wi-Fi.

Simple Apparatus is a concept utilised in hazardous areas to enable the use of equipment that does not have its own source of ignition. Simple apparatus must be clearly identified when it is installed, but doesn’t need to be ATEX or IECEx certified in its own right.

This means that the iANT2xx antenna range can be deployed in hazardous areas when connected to a suitable certified wireless device with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501. iANT2xx antennas cannot be used in hazardous areas if connected to an RF source that is not intrinsically safe.

iANT216 Omnidirectional Dual Band Wi-Fi Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501
- Omnidirectional coverage
- Dual band 2.4GHz and 5GHz
- Direct and remote mounting options - remote version includes stainless steel mounting bracket
- For indoor or outdoor use
- Suitable for Groups I, II, III

Certification
ATEX / IECEx Simple Apparatus

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT216M</td>
<td>iANT216 dual band Wi-Fi antenna, male N-type direct mount</td>
</tr>
<tr>
<td>IANT216F</td>
<td>iANT216 dual band Wi-Fi antenna, female N-type remote mount</td>
</tr>
</tbody>
</table>
iANT212 Compact Omnidirectional Wi-Fi Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501
- Omnidirectional coverage with spherical pattern
- Wide band 2.4 to 5.8GHz
- Ultra-compact for easy mounting
- For indoor or outdoor use

Certification
ATEX / IECEx Simple Apparatus

IP68

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>IANT212</td>
<td>iANT212 2.4-5.8GHz spherical pattern WLAN rugged antenna</td>
</tr>
</tbody>
</table>

Image is illustrative only, iANT221 has two cables.

iANT221 Directional Dual Band 2x2 MIMO Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501
- Directional coverage
- Dual band 2.4GHz and 5GHz
- Combined vertical and cross polarisation
- For indoor or outdoor use

Certification
ATEX / IECEx Simple Apparatus

IP67

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT221</td>
<td>iANT221 dual band 2.4GHz and 5GHz 2x2 MIMO directional antenna</td>
</tr>
</tbody>
</table>
iANT214 Directional Wi-Fi Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501
- Directional coverage
- Dual band 2.4GHz and 5GHz
- Vertically polarised or dual slant
- For indoor or outdoor use

Certification
ATEX / IECEx Simple Apparatus

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT214</td>
<td>iANT214 directional antenna 2400MHz</td>
</tr>
<tr>
<td>IANT214-2400D</td>
<td>iANT214 directional antenna 2400MHz dual slant</td>
</tr>
<tr>
<td>IANT214-5000</td>
<td>iANT214 directional antenna 5000MHz</td>
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</table>

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iANT218 Directional Dual Band 3x3 MIMO Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501
- Directional coverage
- Dual band 2.4GHz and 5GHz
- Combined vertical and cross polarisation
- For indoor or outdoor use

Certification
ATEX / IECEx Simple Apparatus

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT218</td>
<td>iANT218 3x3 MIMO dual band Wi-Fi antenna</td>
</tr>
<tr>
<td>IANT218-2400</td>
<td>iANT218 3x3 MIMO dual band Wi-Fi antenna</td>
</tr>
<tr>
<td>IANT218-5000</td>
<td>iANT218 3x3 MIMO dual band Wi-Fi antenna</td>
</tr>
</tbody>
</table>
iANT215 Low Profile Omnidirectional Wi-Fi Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAPI07 or other solutions using the iSOLATE501
- Omnidirectional coverage
- 2.4GHz, 5GHz, and Quad Band GSM options
- Vertically polarised or dual slant
- For indoor or outdoor use
- Includes stainless steel mounting bracket

Certification
ATEX / IECEX Simple Apparatus

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT215</td>
<td>iANT215 omnidirectional low profile antenna</td>
</tr>
</tbody>
</table>

iANT213 Omnidirectional Wi-Fi and GSM Antenna

- Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAPI07 or other solutions using the iSOLATE501
- Omnidirectional coverage
- 2.4GHz, 5GHz, and Quad Band GSM options
- Vertically polarised or dual slant
- For indoor or outdoor use
- Includes stainless steel mounting bracket

Certification
ATEX / IECEX Simple Apparatus

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT213-2400</td>
<td>iANT213 omni-directional antenna 2400MHz</td>
</tr>
<tr>
<td>IANT213-5000</td>
<td>iANT213 omni-directional antenna 5000MHz</td>
</tr>
<tr>
<td>IANT213-QB</td>
<td>iANT213 omni-directional antenna GSM Quad Band</td>
</tr>
</tbody>
</table>
iANT217 Circular Polarised UHF Omnidirectional Antenna

• Simple apparatus - use in hazardous areas with an intrinsically safe RF output, such as the iWAPI07 or other solutions using the ISOLATE501
• Omnidirectional coverage
• 860-960 MHz
• UHF antenna with circular polarisation
• For indoor or outdoor use

Certification
ATEX / IECEx Simple Apparatus

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANT217</td>
<td>iANT217 UHF circular polarised antenna</td>
</tr>
</tbody>
</table>

Antennas Accessories

iANT217 Antenna Bracket
Aluminium wall or pole mount bracket for iANT217.

Ordering Information
Product code
IANTMB217

iANT200 and iANT100 Single Antenna Bracket Kit
iANTMB03 Single Antenna Bracket Kit, 316L Stainless Steel for iANT100 and 200

Ordering Information
Product code
IANTMB03

iANT101 Antenna Bracket
iANTMB01 Antenna Bracket Stainless steel wall mount bracket for the iANT101 and similar antennas. Manufactured from 316L stainless steel, suitable for off shore use.

Ordering Information
Product code
IANTMB01

RF Cable Assembly 3m
RF cable assembly 3m, N Type Crimp Plug Nickel to N Type Crimp Plug Nickel, RG58

Ordering Information
Product code
7210027

RF Cable Assembly 5m
RF cable assembly 5m, N Type Crimp Plug Nickel to N Type Crimp Plug Nickel, RG58

Ordering Information
Product code
7210026

RF Cable Assembly 10m
RF cable assembly 10m, N Type Crimp Plug Nickel to N Type Crimp Plug Nickel, LBC400 ExtraFlex

Ordering Information
Product code
7210028

RF Cable Assembly 15m
RF cable assembly 15m, N Type Crimp Plug Nickel to N Type Crimp Plug Nickel, LBC400 ExtraFlex

Ordering Information
Product code
7210029

RF Cable Assembly 20m
RF cable assembly 20m, N Type Crimp Plug Nickel to N Type Crimp Plug Nickel, LBC400 ExtraFlex

Ordering Information
Product code
7210030
Real Time Location Systems

Efficiently locate your workers and assets to save time, energy, and money.

Extronics is the official industrial provider of AeroScout enterprise visibility solutions, which use standard Wi-Fi networks to provide data such as location and status about assets and personnel in real time.

We work in partnership with Stanley Healthcare to continue developing the AeroScout product lines, as well as investing in our own R&D for a new range of tags specifically designed for industrial customers.
What’s involved in an RTLS System?

Wireless Access Points and Infrastructure

A standard Wi-Fi network is needed to transmit the tag data to the software. For hazardous area certified access points, please see Extronics Wireless Networking Solutions.

Tags

Active RFID Wi-Fi tags send out signals to be picked up by standard Wi-Fi networks. Depending on your chosen tag, this may include location information, emergency calls, temperature readings, and other data.

Exciters

Exciters transmit LF signals that trigger tags to send identifying messages when they enter the exciter’s configurable range. This gives a high level of accuracy for applications such as muster areas or chokepoint detection.

MobileView Software

The tag data is transmitted via Wi-Fi to the MobileView software which shows the information in an intuitive graphical display. Flexible and configurable, MobileView is a web-based platform.
iTAG100 Intrinsically Safe Wi-Fi RFID Tag

The iTAG100 is an intrinsically safe version of the market's leading Wi-Fi Tag, the T2. The iTAG100 is a small, long-life Wi-Fi based Active RFID device that can be placed on any person or asset, allowing the Extronics system to locate personnel and assets that are not Wi-Fi enabled.

- Real-time location of assets and personnel
- Leverages standard Wi-Fi infrastructure for lower cost and easier deployment
- Long battery life
- Fully scalable with minimal network impact
- Suitable for wide variety of industries and environments
- Available with or without an emergency call button

Certification
ATEX / IECEx Zone 1, 2, 21, and 22
Mining MI
US Class I, II, III Div 1
US Mine Safety & Health Administration (MSHA) approved
Canada Class I Zone 0, 1, 21

Ordering Information

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<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
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<tr>
<td>iTAG100-1</td>
<td>ATEX/IECEx certified Zone 1 Group IIIC tag</td>
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<tr>
<td>iTAG100-1-CB</td>
<td>ATEX/IECEx certified Zone 1 Group IIIC tag with call button</td>
</tr>
<tr>
<td>iTAG100-1PB</td>
<td>ATEX/IECEx certified Zone 1 Group IIIC tag with push in battery</td>
</tr>
<tr>
<td>iTAG100-1-CBPB</td>
<td>ATEX/IECEx certified Zone 1 Group IIIC tag with push in battery</td>
</tr>
<tr>
<td>iTAG100-1PB</td>
<td>ATEX/IECEx certified Zone 1 Group IIIC tag with push in battery</td>
</tr>
<tr>
<td>iTAG100-6PB</td>
<td>ATEX/IECEx certified Zone 0 Group IIIB tag with push in battery</td>
</tr>
<tr>
<td>iTAG100-7DPB</td>
<td>ATEX/IECEx certified Zone 0 Group IIIB tag with push in battery</td>
</tr>
<tr>
<td>iTAG100-3-CB</td>
<td>ATEX/IECEx certified Mining Group I tag with call button</td>
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<tr>
<td>iTAG100-MSHA</td>
<td>North American certified Mining tag</td>
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<tr>
<td>iTAG100-MSHA-CB</td>
<td>North American certified Mining tag with call button</td>
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<tr>
<td>iTAG100-5</td>
<td>US certified for Class I, II, and III, Division 1, Groups A-G tag</td>
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<tr>
<td>iTAG100-5-CB</td>
<td>US certified for Class I, II, and III, Division 1, Groups A-G tag with call button</td>
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<td>iTAG100-7D</td>
<td>Canadian certified for Class I, Zone 0 IIB, Zone 1 IIIC</td>
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<tr>
<td>iTAG100-7-D-CB</td>
<td>Canadian certified for Class I, Zone 0 IIB, Zone 1 IIIC with call button</td>
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<tr>
<td>iTAG100-7-D-CB</td>
<td>Canadian certified for Class I, Zone 0 IIB, Zone 1 IIIC with call button</td>
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</table>
T2L Multi LED Tag

The T2L multi-LED tag is a variation of the market leading Wi-Fi T2 tag which features a transparent case and two extra LEDs to visually identify assets quickly and easily, in real time.

- Real-time location of assets
- Leverages standard Wi-Fi infrastructure for lower cost and easier deployment
- Shorten search times, improve production throughput, and increase on-time deliveries
- Reduce human error and decrease costs
- Long battery life
- Fully scalable with minimal network impact

Certification

IP65

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>TAG2000L</td>
<td>T2 Tag with Multi-LED Visual Indication</td>
</tr>
</tbody>
</table>

T2-EB Extended Battery Industrial Tag

The T2-EB Extended Battery Industrial Tag is specifically created for industrial use. Its streamlined design can endure high levels of rugged usage, whilst the exceptional battery life means that tags can remain in the field for extended periods of time.

- Leverages standard Wi-Fi infrastructure for lower cost and easier deployment
- Extended battery for up to 8 years of battery life
- Fully scalable with minimal network impact
- Suitable for wide variety of industries and environments

Certification

IP65

Ordering Information

<table>
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<tbody>
<tr>
<td>TAG2000EB</td>
<td>T2 Extended Battery Industrial Tag</td>
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</table>
**T2 Tag**
The T2 Tag is the market's leading Wi-Fi Active RFID tag with LF receiver, utilises existing Wi-Fi infrastructure to deliver real time location tracking of personnel and assets.

- Real-time location of assets and personnel
- Leverages standard Wi-Fi infrastructure for lower cost and easier deployment
- Long battery life
- Fully scalable with minimal network impact
- Suitable for wide variety of industries and environments
- Available with or without an emergency call button

**Certification**

**Ordering Information**

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<td>TAC2000</td>
<td>T2 Tag excluding call button</td>
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<tr>
<td>TAC2000C</td>
<td>T2 Tag with call button</td>
</tr>
</tbody>
</table>

**T2s Small Form Factor Tag**
The T2s Wi-Fi Tag with LF receiver is a small form factor tag designed for mounting on small assets.

- Real-time location of assets and personnel
- Leverages standard Wi-Fi infrastructure for lower cost and easier deployment
- Long battery life with motion sensor to conserve battery life when not in use
- Available with or without an emergency call button

**Certification**

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAC2320</td>
<td>T2s Tag excluding call button</td>
</tr>
<tr>
<td>TAC2320C</td>
<td>T2s Tag with call button</td>
</tr>
</tbody>
</table>
**T3 Tag**

The T3 Tag is a small, battery-powered wireless device for accurately locating and tracking any asset or person. The T3 Tag combines a streamlined, flat form factor with long battery life, advanced functionality and high flexibility, resulting in improved business processes, enhanced safety, and heightened operational efficiency. The T3 tag includes an advanced tamper-proofing mechanism for security and theft prevention, triggering an immediate alert if it is removed or tampered with in any way.

- Flat, compact form factor
- 2 call buttons for status and alert reporting
- Advanced tamper-proofing mechanism
- Leverages standard Wi-Fi infrastructure
- Long battery life

**Certification**

- IP65

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAG3000</td>
<td>T3 Tag. Includes battery, 2 call buttons, and short tamper proof switch</td>
</tr>
<tr>
<td>TAG3000NEC1</td>
<td>T3 Tag for NESIT. Japan includes battery, 2 call buttons and short tamper proof switch</td>
</tr>
<tr>
<td>TAG3000F1</td>
<td>T3 Tag with Single Mounting Flange. Includes battery, 2 call buttons, and short tamper proof switch</td>
</tr>
<tr>
<td>TAG3000F2</td>
<td>T3 Tag with Dual Mounting Flanges. Includes battery, 2 call buttons, and short tamper proof switch</td>
</tr>
</tbody>
</table>

**T3i Integration Tag**

The T3i integration tag is specifically designed for partners, enabling the use of Extronics Advance location technology.

- Designed for technology partners – add Extronics Advance technology to your products
- Robust serial interface allows wireless data backhaul or a variety of use cases
- Suitable for use in wide range of industries and environments

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAG3100</td>
<td>T3i 5V Integration Tag 5V input. Does not include battery</td>
</tr>
<tr>
<td>TAG3130</td>
<td>T3i Integration Tag 3.6V input. Does not include battery</td>
</tr>
</tbody>
</table>
**T5 Sensor Tags**

The T5 range of sensor tags add condition monitoring capabilities to the market-leading AeroScout solutions provided by Extronics. Leverage the Wi-Fi infrastructure to accurately monitor voltage, temperature, and humidity to improve operations, quality, and regulatory compliance.

- Wi-Fi based solutions for condition monitoring: temperature, humidity, voltage, and NC/NO contact
- Wirelessly collect, record, and analyse condition and status information
- Keep accurate auditing records, avoid wastage, and increase efficiency

**T5a, T5b and T5c Temperature Tags** – T5a tag is the smallest temperature monitoring tag, and includes an internal sensor that can operate from -30°C to +75°C. T5b tag can operate from -60°C to +140°C with an external temperature probe length of 80mm. T5c tag can operate from -200°C to +140°C with an external temperature probe and has a 160mm NEW! T5cs Contact Sensor Tag – The T5cs tag supports any standard normally closed (NC) or normally open (NO) contact.

**T5h Humidity Tag** – The T5h tag has an internal humidity sensor as well as a temperature sensor.

**T5m-v Multi Sensor Tag** – The T5m-v tag has three onboard sensors to monitor temperature, humidity, and voltage. It is also the only T5 tag that can be externally powered.

**Certification**

<table>
<thead>
<tr>
<th>IP65</th>
<th>IP54</th>
</tr>
</thead>
<tbody>
<tr>
<td>T5a tag</td>
<td>T5b, T5c, T5cs, T5h, T5m-v tags</td>
</tr>
</tbody>
</table>

**Ordering Information**

<table>
<thead>
<tr>
<th>Tag Type</th>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T5a</td>
<td>TAG5100</td>
<td>T5a Temperature Tag, on-board temperature sensor, and mounting cradle. Sensor temperature range -30°C to +75°C (-22°F to +167°F)</td>
</tr>
<tr>
<td>T5a</td>
<td>TAG5100 NIST100</td>
<td>T5a Temperature Tag with 3 Point NIST-Traceable Calibration Certificate. (Minimum order qty. of 5 applies)</td>
</tr>
<tr>
<td>T5a</td>
<td>TAG5100POT</td>
<td>T5a Tag with Potting Container, on-board temperature sensor, and potting container with lid and glass beads</td>
</tr>
<tr>
<td>T5b</td>
<td>TAG5110</td>
<td>T5b Temperature Tag, external temperature sensor and probe, mounting accessories, and 50ml plastic pot for immersing probe in liquid. Sensor temperature range -60°C to +140°C (-76°F to +284°F)</td>
</tr>
<tr>
<td>T5b</td>
<td>TAG5111</td>
<td>T5b Temperature Tag with 3m cable, external temperature sensor and probe, mounting accessories, 50ml plastic pot for immersing probe in liquid, and 3m cable. Sensor temperature range -60°C to +140°C (-76°F to +284°F)</td>
</tr>
<tr>
<td>T5b</td>
<td>TAG5112</td>
<td>T5b Temperature Tag with 15m Cable, external temperature sensor and probe, mounting accessories, 50ml plastic pot for immersing probe in liquid, and 15m cable. AeroScout branded</td>
</tr>
<tr>
<td>T5b</td>
<td>TAG5110NIST100</td>
<td>T5b Temperature Tag with 3 Point NIST-Traceable Calibration Certificate</td>
</tr>
<tr>
<td>T5b</td>
<td>TAG5111NIST100</td>
<td>T5b Temperature Tag with 3m Cable and 3 Point NIST-Traceable Calibration Certificate</td>
</tr>
<tr>
<td>T5c</td>
<td>TAG5120</td>
<td>T5c Temperature Tag, external temperature sensor and probe, mounting accessories, and 50ml plastic pot for immersing probe in liquid. Sensor temperature range -200°C to +140°C (-328°F to +284°F)</td>
</tr>
<tr>
<td>T5c</td>
<td>TAG5120NIST100</td>
<td>T5c Temperature Tag with 4m Cable and 3 Point NIST-Traceable Calibration Certificate</td>
</tr>
<tr>
<td>T5c</td>
<td>TAG5121NIST100</td>
<td>T5c Temperature Tag with 4m Cable and 3 Point NIST-Traceable Calibration Certificate</td>
</tr>
<tr>
<td>T5cs</td>
<td>TAG5550</td>
<td>T5cs Contact Sensor Tag, includes 1.8m cable</td>
</tr>
<tr>
<td>T5h</td>
<td>TAG5200</td>
<td>T5h Humidity Tag on-board humidity and temperature sensor. 5% to 95% relative humidity, temperature range -30°C to +75°C (-22°F to +167°F)</td>
</tr>
<tr>
<td>T5h</td>
<td>TAG5200NIST100</td>
<td>T5h Humidity Tag with 5 Point NIST-Traceable Calibration Certificate (3 temperature points, 2 humidity points (Minimum order qty of 5 applies))</td>
</tr>
<tr>
<td>T5m-v</td>
<td>TAG5400</td>
<td>T5m-v Multi-Sensor Tag. Includes on-board temperature, humidity, and voltage sensors</td>
</tr>
</tbody>
</table>
T12 Bi-Directional Tag

The T12 tag is a small form factor asset tag which offers bi-directional Wi-Fi communication, tamper proof mechanism for theft prevention and motion sensor to conserve battery life when the tag is not in motion. The tag uses its bi-directional functionality to receive over the air firmware and configuration updates from MobileView. This unique combination provides a flexible scalable solution for advanced applications.

- Locate assets in real time
- Leverage standard Wi-Fi networks
- Bi-directional communication for over-the-air updates
- Tamper-proof
- Optional call button

Certification

IP67

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAC1200T</td>
<td>T12 Bi-directional tag</td>
</tr>
<tr>
<td>TAC1200CT</td>
<td>T12 Bi-directional tag with call button</td>
</tr>
</tbody>
</table>

T14 Bi-Directional Worker Safety Tag

The T14 Bi-directional Worker Safety tag is a component of Extronics suite of enterprise visibility solutions for locating personnel in real time. The T14 Tag offers a flexible, scalable way to track workers across a wide variety of applications. The rechargeable battery-powered T14 Tag can be attached to a worker’s clothing using the cradle, and used to quickly find workers, entry/exit point detection and call-button alerting.

- Locate personnel in real time
- Leverage standard Wi-Fi networks
- Bi-directional communication for over-the-air updates
- Optional call button
- Water and dust proof
- Rechargeable battery

Certification

IP67

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAG1400C</td>
<td>T14 Staff Tag with Call Button</td>
</tr>
<tr>
<td>CGS1400E</td>
<td>Charging dock for T14 tags, capacity for up to 20 tags, Europe only</td>
</tr>
<tr>
<td>CGS1400U</td>
<td>Charging dock for T14 tags, capacity for up to 20 tags, US &amp; Japan only</td>
</tr>
<tr>
<td>CGS1400UK</td>
<td>Charging dock for T14 tags, capacity for up to 20 tags, UK only</td>
</tr>
</tbody>
</table>
Tag Accessories and Batteries

TGUARD Tag Protector

Silicon tag case with call button cover, TGUARD tag protector range offers peace of mind to the user and added protection for the tags. The TGUARD range fits seamlessly into your workflow with a variety of mounting options. The TGUARD is fitted with a keyring for ease of attachment to worker equipment, whilst accessory lanyards and arm straps are also available. A reinforced backplate is attached to the device before fitting the silicone cover on the TGUARDC/CX and TGUARDL/LX variants for improved durability in harsh environments.

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGUARD</td>
<td>Silicon case for iTAG100 &amp; T2 with button cover and key ring</td>
</tr>
<tr>
<td>TGUARD-L</td>
<td>Silicon case for iTAG100 &amp; T2 with button cover and reinforced backplate and lanyard loop</td>
</tr>
<tr>
<td>TGUARD-C</td>
<td>Silicon case for iTAG100 &amp; T2 with button cover and reinforced backplate and metal clip</td>
</tr>
<tr>
<td>TGUARD-LX</td>
<td>Silicon case for iTAG100 &amp; T2 with reinforced lanyard loop</td>
</tr>
<tr>
<td>TGUARD-CX</td>
<td>Silicon case for iTAG100 &amp; T2 with reinforced metal clip</td>
</tr>
</tbody>
</table>

Fitting service available on request.

Tag Accessories

T2, T5 and T5h Tag Mounting Cradle 50 Pack
For screw or strap mounting to assets for the solid back T2 and T5 tags.
Ordering Information
Product Code TAC-250

T2 Tag Belt Clip and Cradle 20 Pack
T2 Tag belt clip and compatible cradle. Pack of 20.
Ordering Information
Product Code TAC-082

T2 Tag Badge Clip Mount
Ordering Information
Product Code TAC-270

T3 Tag Mounting Cradle 50 Pack
For screw or strap mounting to assets, includes 50 long tamper switches and cradles.
Ordering Information
Product Code TAC-310

T3 Tag Belt Clip and Cradle 20 Pack
T3 Tag belt clip and compatible cradle. Pack of 20.
Ordering Information
Product Code TAC-083

T3 Tag Tape Attachment Kit 20 Pack
Double-sided adhesive tape patches for T3 Tags. Can be used to mount a T3 Tag to laptops or other flat surface.
Ordering Information
Product Code TAC-350

T3 Tag Long/Short Tamper Switches 100 Pack
Tamper switches for T3 Tags. Includes 100 switches. The short switch is used with or without a cradle. The long switch is used with the T3 mounting cradle. The extra-long switch is used when the cradle is fixed using an adhesive double-sided tape patch (TAC-350).
Ordering Information
Product Code TAC-340 – Long switches
TAC-341 - Short switches
TAC-342 – Extra long switches

Tag Mounting Cradle 50 Pack
For screw or strap mounting of T2s Tags to assets.
Ordering Information
Product Code TAC-255

T2s Tag Belt Clip and Cradle 20 Pack
T2s Tag belt clip and compatible cradle.
Ordering Information
Product Code TAC-085
### T12 Cradle 50 Pack
For Screw or strap mounting of T12 Tags to assets. Screws can be ordered under TAC-065. Long tampers TAC-340 are to be used with this cradle. 50-Pack.

**Ordering Information**
- **Product Code**: TAC-120

### Tag Drop Box
Tag Drop box with ethernet interface for EX3210 exciter for activating and deactivating.

**Ordering Information**
- **Product Code**: DRBX-3000 (Ethernet included to connect EX3210 Exciter, does not include exciter)
- **Product Code**: DRBX-3100 (Includes embedded EX3210 Exciter)

### Potting Container for T5a Tag and Glass Beads
Potting containers for T5a Tags and Glass Beads. Includes container with lid and glass beads.

**Ordering Information**
- **Product Code**: TAC-500 (20 Pack)
- **Product Code**: TAC-501 (Single)

### Replacement Pot for T5b and T5c Tag Probes, 10 Pack
Plastic pot for T5b and T5c Tag probes. Does not include all the other mounting kit components.

**Ordering Information**
- **Product Code**: TAC-510

### Replacement Mounting Bracket for T5b and T5c Tag Probe Pots, 10-Pack
Plastic mounting bracket for temperature probe pots (TAC-510). Does not include all the other mounting kit components. 10-Pack.

**Ordering Information**
- **Product Code**: TAC-514

### Batteries

**T2, T2-X3 Intrinsically Safe, T2-X4 Intrinsically Safe, T2u, T5a and T5h Tag Battery, Pack 50**
1/2 AA 3.6V Lithium batteries for T2, T2-X3 Intrinsically safe, T2-X4 Intrinsically safe, T2u, T5a and T5h Tags.

**Ordering Information**
- **Product Code**: TAC-231 50 Pack

**Intrinsically Safe T2-X1, T2-X2, T2-X5, T2-X6 and T2-X7 Replacement Batteries, 10 Pack**
1/2 AA 3.6V Potted Replacement Battery Leded type T2 batteries for Intrinsically safe T2 tags. Note: For X3 and X4 Intrinsically safe tags, use standard T2 replacement batteries. Warning: Intrinsically Safe T2 tag battery replacement must only be performed by personnel approved by Extronics.

**Ordering Information**
- **Product Code**: IND-TAC-246 (TAG2000 X1, X2, X6, CX1, CX2, CX6 ATEX/IECEx Tags)
- **Product Code**: IND-TAC-247 (TAG2000 X5, CX5, FM Tgas)
- **Product Code**: IND-TAC-248 (TAG2000 X7, CX7 MET Tags)

**T2-EB, T5b, T5c, T5cs and T5m-v Tag Battery Pack 50**
3.6V AA Lithium batteries for T2-EB, T5b, T5c, T5cs and T5m-v Tags with soldering wires.

**Ordering Information**
- **Product Code**: TAC-241 50 Pack

**T2s Tag Battery Pack 25**
1/2 AA 3.6V Lithium batteries for T2s Tags with custom soldered wires.

**Ordering Information**
- **Product Code**: TAC-232 (25 pack)

**T3 Tag Battery Pack 50**
3.6V Lithium batteries for T3 Tags.

**Ordering Information**
- **Product Code**: TAC-331 (50 Pack)

**T3 Tag Battery Removal Tool**
Battery removal tool for all models of T3 Tags. Included in every 100 T3 Tag shipment.

**Ordering Information**
- **Product Code**: TAC-345

**T3 Tag Battery Sealing Ring Pack 20**
Pack of 20 T3 Tag Battery sealing rubber rings for replacement.

**Ordering Information**
- **Product Code**: TAC-315

**T12 Tag Battery Pack 25**
3V Lithium (CR123A) batteries for T12 Tag.

**Ordering Information**
- **Product Code**: TAC-437 (25 Pack)
iCITE101 Hazardous Area Exciter

The iCITE101 brings the latest AeroScout exciter technology into hazardous areas and harsh environments. Explosion proof Exciter in rugged enclosure, Ethernet interface, 24VDC, 24VAC, PoE (does not include power supply).

- Real-time chokepoint detection for enhanced location and identification of assets and personnel
- ATEX and IECEx certified
- North American certification pending
- Robust design – IP66 fully ruggedized
- Easy to install
- Wi-Fi compliant
- Wide range of antenna options
- Up to 5m/16 ft Range

Certification
ATEX Zone 1, 2, 21 and 22
US & Canada (pending)

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>iCITE101</td>
<td>iCITE101 Tag Exciter for ATEX/IECEx Zone 1 hazardous areas</td>
</tr>
</tbody>
</table>

EX3210 Exciter

The EX3210 is a compact indoor LF RFID tag exciter that plays a key role in AeroScout RTLS deployments, used to establish when assets and personnel are in the immediate vicinity of the exciter for use cases such as emergency mustering. Includes Ethernet interface. Powering options include PoE or external 12VDC power supply (not included)

- Real-time chokepoint detection for enhanced location and identification of assets and personnel
- Trigger events and alerts
- Precise visibility of business processes
- Leverage existing Wi-Fi
- Supports offline condition monitoring
- Up to 3m/9.84 ft Range

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX3210</td>
<td>EX3210 Tag Exciter</td>
</tr>
</tbody>
</table>
EX5200 Exciter

The EX5200 is a low frequency device for use in indoor environments. The exciter’s robust and sophisticated RFID detection enables the system to identify and manage AeroScout tags and entry/exit areas, zone boundaries, and other flow control situations. Includes 24-48VDC input, Ethernet and PoE interface. Does not include power supply.

- Trigger alerts and events for instant egress point detection
- Leverage the same Wi-Fi tags that provide real time location
- Automate egress point control
- Up to 5m/16 ft range

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX5200</td>
<td>EX5200 Tag Exciter</td>
</tr>
</tbody>
</table>

EX5210R

The EX5210R is a low frequency tag exciter for use in outdoor environments. Based on the same technology as the leading EX5200 indoor exciter, the EX5210R adds a robust enclosure to enable use in harsh and rugged environments. Includes 24-48VDC input, Ethernet and PoE interface. Does not include power supply.

- Trigger alerts and events for instant egress point detection
- Leverage the same Wi-Fi tags that provide real time location
- Automate egress point control
- Highly rugged and suitable for outdoor use
- Up to 6m range

Certification

IP65

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX5210R</td>
<td>EX5210R Rugged Outdoor Tag Exciter</td>
</tr>
</tbody>
</table>
Exciter Power & Mounting Options

**Exciter PoE Injector 110/220VAC - 48VDC**
Recommended power supply when connecting single Exciters. Can also be used for chaining. Outlet connector fit for named region. PoE Exciter compatible with all Exciters. 110VAC / 220VAC to 48VDC.

**Ordering Information**
Product Code
- ADP-030-UK (UK)
- ADP-030-U (US)
- ADP-030-E (Europe)
- ADP-030-J (Japan)
- ADP-030-IL (Israel)

**EX3210 Power Adapter 25W**
EX3200 Exciter 220VAC / 110VAC to 12VDC power adaptor. When chaining Exciters, up to three EX3210 can be powered using this adaptor. Recommended power supply when chaining Exciters.

**Ordering Information**
Product Code
- ADP-070-UK (UK)
- ADP-070-U (USA)
- ADP-070-E (Europe)
- ADP-070-J (Japan)

**EX3210 Exciter Mounting Kit**
Includes mounting plate and ceiling bracket (can be used in cases where default EX3210 mounting lugs are not sufficient).

**Ordering Information**
Product Code
- EXAC-110

**EX3210 Exciter Mounting Plate**
Includes mounting plate (can be used in cases where default EX3210 mounting lugs are not sufficient).

**Ordering Information**
Product Code
- EXAC-120

**EX3210 Exciter Power Adapter**
AC/DC adaptor 45W 48V/1.0A 90-264VAC.

**Ordering Information**
Product Code
- ADP-067-UK (UK)
- ADP-067-U (USA)
- ADP-067-E (Europe)
- ADP-067-J (Japan)

**EX3210 Exciter Mounting Clip**
Heavy-duty Exciter Mounting Clip. Snaps easily onto the top of the T-Grid of a false ceiling with a standard 61cm (24") span grid. Enables mounting the Exciter using screws. EXAC-141 includes kit for attaching clip to the EX5200 controller's mounting adaptor.

**Ordering Information**
Product Code
- EXAC-140
- EXAC-141 (for EX5200)

**iCITE101 Pipe Mount Bracket**
Pipe Mounting Bracket for iCITE101 series of explosion proof exciter.

**Ordering Information**
Product Code
- ICITEMB01
Hardware Management

Hardware Manager Kit

The Hardware Manager Kit is a tool designed to simplify the installation and configuration of various Extronics RTLS hardware products.

The Hardware Manager Kit includes:
- Hardware Manager software application
- Tag Exciter & Detector (TED)
- Exciter Manager kit (exciter configuration cables)

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HWM-1000 U/J/US/Japan/Europe</td>
<td>Hardware Manager Kit</td>
</tr>
</tbody>
</table>

Tag & Exciter Detector (TED)

The Tag & Exciter Detector, or TED, is used to activate and configure tags wirelessly, retrieve tag battery status as well as determine the coverage of exciters. It can be connected directly to a PC via the micro USB port and utilises the Tag Manager applications. TED uses the Tag Manager applications, part of the Hardware Manager Application, to perform specific tasks.

- Lightweight and handheld for flexible deployment
- Wirelessly detects, activates, and configures tags
- Variable LF range

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TED-1000</td>
<td>Tag/Exciter Deployment Device (TED)</td>
</tr>
</tbody>
</table>
Evaluation and Development

Evaluation Development Kit

The EDK enables you to set up a small version of the Extronics RTLS, but with the complete MobileView functionality of a full-scale deployment. Test out your own scenarios to discover the benefits this solution would bring to your application. For example, set up directional entry/exit points using exciters, change the status of tags remotely using exciters, or create alerts when a call button is pressed.

The EDK also includes up to four hours of installation support from our Technical Support team, to help you make the most of your trial.

Purchasing an EDK is a cost-effective way to feel confident that the RTLS suits your application and to justify the purchase of a full-scale RTLS. The EDK offers you a considerable cost saving of over 70%, compared to buying the parts separately.

What's included in the Evaluation Development Kit?

We've hand-picked a range of software, hardware, and accessories to help you understand the ROI that the Extronics RTLS can deliver.

**Software**
- MobileView Asset Management
- MobileView Evacuation Monitoring
- MobileView Condition Monitoring
- Instant Notifier
- AeroScout Location Engine

**Hardware**
- iTAG100 Intrinsically Safe Tag
- TGUARD Tag Protector
- T2-EB Extended Battery Tag
- T2s Tag
- T3 Tag
- T5 Sensor Tags
- T12 Asset Tag
- EX5200 Exciter
- EX3210 Exciter

**Supporting Products & Accessories**
- Up to 4 hours of installation support
- Hardware Manager Kit, including Tag & Exciter Detector
- Maintenance & Support (software only)
- Replacement batteries
- Exciter mounting kits

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDK-6600-N</td>
<td>Evaluation development kit</td>
</tr>
</tbody>
</table>
Software

MobileView Licences

The MobileView software enables you to track, locate, monitor, and manage your assets and personnel from a single platform.

- Locate and monitor your assets and personnel in real time
- IIoT integration – use data from both AeroScout and 3rd party devices
- Tailored for industrial applications
- Automatically triggered events that are configured to your criteria
- Fully scalable, enterprise-class system

Ordering Information

Worker/People Safety & Visibility Licenses

Includes personnel tracking via asset management application, evacuation monitoring, check in/out, worker duress, and more

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVWPSV1000L1</td>
<td>License per tag (1-99 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L100</td>
<td>License per tag (100-199 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L200</td>
<td>License per tag (200-499 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L500</td>
<td>License per tag (500-999 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L1K</td>
<td>License per tag (1,000-2,999 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L3K</td>
<td>License per tag (3,000-4,999 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L5K</td>
<td>License per tag (5,000-9,999 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L10K</td>
<td>License per tag (10,000-24,999 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L25K</td>
<td>License per tag (25,000-39,999 tags)</td>
</tr>
<tr>
<td>MVWPSV1000L40K</td>
<td>License per tag (40,000+ tags)</td>
</tr>
</tbody>
</table>

Evacuation Monitoring Licenses

For privacy reasons, this type of license provides location information during an evacuation only. For location information at other times, please use Worker Safety (MVWPSV) licenses.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVEVACM1000L1</td>
<td>License per tag (1-99 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L100</td>
<td>License per tag (100-199 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L200</td>
<td>License per tag (200-499 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L500</td>
<td>License per tag (500-999 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L1K</td>
<td>License per tag (1,000-2,999 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L3K</td>
<td>License per tag (3,000-4,999 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L5K</td>
<td>License per tag (5,000-9,999 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L10K</td>
<td>License per tag (10,000-24,999 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L25K</td>
<td>License per tag (25,000-39,999 tags)</td>
</tr>
<tr>
<td>MVEVACM1000L40K</td>
<td>License per tag (40,000+ tags)</td>
</tr>
</tbody>
</table>

Condition Monitoring Licenses

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVCNM01000L1</td>
<td>License per tag (1-49 tags)</td>
</tr>
<tr>
<td>MVCNM01000L50</td>
<td>License per tag (50-99 tags)</td>
</tr>
<tr>
<td>MVCNM01000L100</td>
<td>License per tag (100-199 tags)</td>
</tr>
<tr>
<td>MVCNM01000L200</td>
<td>License per tag (200-399 tags)</td>
</tr>
<tr>
<td>MVCNM01000L400</td>
<td>License per tag (400-599 tags)</td>
</tr>
<tr>
<td>MVCNM01000L600</td>
<td>License per tag (600+ tags)</td>
</tr>
</tbody>
</table>

Passive RFID Licenses

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVPVR1000L1000</td>
<td>License per tag (1,000 license pack)</td>
</tr>
<tr>
<td>MVPVR1000L2500</td>
<td>License per tag (2,500 license pack)</td>
</tr>
<tr>
<td>MVPVR1000L5000</td>
<td>License per tag (5,000 license pack)</td>
</tr>
<tr>
<td>MVPVR1000L10000</td>
<td>License per tag (10,000 license pack)</td>
</tr>
<tr>
<td>MVPVR1000L20000</td>
<td>License per tag (20,000 license pack)</td>
</tr>
</tbody>
</table>

NEW!

MV Worker/People Safety and Visibility Licenses (Rental Model)

Track, locate, monitor and manage your assets and personnel for a limited time period. Extronics now offers a rental service on MV worker people safety licenses, chose between 30 and 60 days.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVWPSV100030DRN</td>
<td>MobileView Worker/People Safety &amp; Visibility Rental Software License for 100 plus workers per 30 days (includes generic personnel tracking via asset management application, Evacuation Monitoring application, check-in/ out application, worker duress, personnel Locator, reports and alerts) M&amp;S included.</td>
</tr>
<tr>
<td>MVWPSV100060DRN</td>
<td>MobileView Worker/People Safety &amp; Visibility Rental Software License for 100 plus workers per 60 days (includes generic personnel tracking via asset management application, Evacuation Monitoring application, check-in/ out application, worker duress, personnel Locator, reports and alerts) M&amp;S included.</td>
</tr>
</tbody>
</table>

Asset Management Licences

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAVSA1000L1X</td>
<td>License per tag (1-99 tags)</td>
</tr>
<tr>
<td>MAVSA1000L200</td>
<td>License per tag (200-499 tags)</td>
</tr>
<tr>
<td>MAVSA1000L500</td>
<td>License per tag (500-999 tags)</td>
</tr>
<tr>
<td>MAVSA1000L1K</td>
<td>License per tag (1,000-2,999 tags)</td>
</tr>
<tr>
<td>MAVSA1000L3K</td>
<td>License per tag (3,000-4,999 tags)</td>
</tr>
<tr>
<td>MAVSA1000L5K</td>
<td>License per tag (5,000+ tags)</td>
</tr>
</tbody>
</table>
Location Engine License

Location Engine License for tracking tags and Wi-Fi devices. High availability available for secondary location engine.

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-4000</td>
<td>Location Engine for non-Cisco environment</td>
</tr>
<tr>
<td>ENG-8000</td>
<td>Location Engine for Cisco environment MSE version 7.4 or below</td>
</tr>
<tr>
<td>ENG-8500</td>
<td>Location Engine for Cisco environment, MSE version 7.5 or above</td>
</tr>
<tr>
<td>ENGHA-2000</td>
<td>High Availability License for secondary location engine</td>
</tr>
</tbody>
</table>

Instant Notifier

Application and licenses for displaying MobileView alert messages on PCs and supported mobile devices. The client includes visual and audible indication, dynamic map display and alert management panel. Includes license for 10 concurrent users of the application (any combination of PC and mobile up to 10 devices is supported). Includes 2 hours of remote installation support and training.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INF100010</td>
<td>License per user (10 license pack)</td>
</tr>
<tr>
<td>INF100050</td>
<td>License per user (50 license pack)</td>
</tr>
<tr>
<td>INF1000SITE</td>
<td>License per user (unlimited license pack)</td>
</tr>
</tbody>
</table>

MobileView High Availability for Software

The MobileView High Availability license for software provides redundancy to protect data in real time. License does not include any clustering software that may be required for the OS or for the databases. License is perpetual; Maintenance & Support fee is annual. This SKU includes the Maintenance & Support fee for the first year only. License entitles customers to install MobileView High Availability on a 2-CPU machine. Load balancer is required.

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVHA-2200</td>
<td>MobileView High Availability</td>
</tr>
</tbody>
</table>
Integrations

Get full Industrial Internet of Things connectivity suited to your application by integrating additional functionality into the MobileView software. As well as locating AeroScout tags, MobileView also enables you to view and track non-AeroScout tagged assets within MobileView; the optional Generic Gateway module allows integration of location data from third party applications, such as assets being tracked by technologies like GPS or UWB. You can also integrate functionality such as access control, or integrate site-wide safety alerts such as your Public Address & General Alarm (PAGA) system.

**Generic Gateway**

Gateway license needed for delivering third party location and telemetry data into MobileView via the Generic gateway. Single license for use with one MobileView server instance.

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MV-4000-NGW</td>
<td>Generic Gateway</td>
</tr>
</tbody>
</table>

**Lenel OnGuard Integration**

Integration between MobileView and Lenel OnGuard security system.

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT-LNL-100</td>
<td>Lenel OnGuard security system</td>
</tr>
</tbody>
</table>

**IP Relay and MobileView Adaptor**

IP relay unit that can control up to 6 peripherals, such as a siren with strobe light. Power supply included. Requires integration software component to allow MobileView events to trigger IP relay unit (INT-RLY1000).

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLY-1006</td>
<td>ADAM 6066 : 250VAC@5A, 30VDC @3A output</td>
</tr>
<tr>
<td>INT-RLY-1000</td>
<td>IP Relay Software component for MobileView</td>
</tr>
</tbody>
</table>

**API Support Package**

Includes quick start code samples, and integration advice and up to 8 hours of support (total time). Design and code must be reviewed and validated by Extronics/STANLEY Healthcare. PDP100 is an annual subscription.

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDP-100</td>
<td>API support pack</td>
</tr>
</tbody>
</table>

**Data Warehouse Integration**

The MobileView Data Warehouse Integration SW gives you access to the dedicated database system that serves as a data repository for enhanced analytical reporting. Providing current and historical data for analysis, which can be used with any standard business intelligence and data visualization tools, such as Tableau or Power BI.

The Data Warehouse Integration comes complete with ERD documentation to provide MobileView Data in the form of entities, their attributes and the relationship between these entities are explained. Knowledge of relationship database concepts, basic MobileView concepts and data modelling are required, without experience in these areas we would recommend the Analytics Developer Kit be purchased alongside the integration.

*An active M&S agreement needs to be in place at time of installation of DWH.*

**Ordering Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVDW100</td>
<td>MobileView Data Warehouse SW integration license and ERD documentation</td>
</tr>
<tr>
<td>PSPCMVDW100</td>
<td>Analytics Developer Kit, up to 8 hours of remote support for data warehouse usage or integration development</td>
</tr>
</tbody>
</table>
Training

End User MobileView Training
Gain knowledge of the MobileView system that’s tailored to your specific requirements, whether it be worker safety, asset tracking, or improving efficiency. Our team of experts will run through the MobileView interface and use a full Real Time Location System (RTLS) to give you hands-on training with reports and events.

**Duration: 1.5 days**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L030016</td>
<td>End User MobileView Training</td>
</tr>
</tbody>
</table>

MobileView RTLS Technical Training
Get a deep technical overview of an RTLS. Day 1 will include the foundations of the system with an introduction to the MobileView software and an overview of the hardware and software aspects, including system components and compatibility. The rest of the course focuses on the technical aspects, with our team of Technical Support Engineers walking you through Location Engine design, installation processes, and configuration of hardware and software. This course also features troubleshooting exercises based on real life scenarios and application use cases.

**Duration: 4 days**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L030011</td>
<td>MobileView RTLS Technical Training</td>
</tr>
</tbody>
</table>

Tag Battery Replacement Training
Learn how to replace your tag batteries (if applicable, depending on tag variant). This a half-day training that can be provided at Extronics HQ or remotely, via Skype or WebEx. Participants will be shown the correct procedure and have an opportunity to try it for themselves wherever possible. There is a maximum of 3 participants per session.

**Duration: 0.5 days**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L030006</td>
<td>Tag Battery Replacement Training</td>
</tr>
</tbody>
</table>
Efficient asset management is a key requirement for successful operations; Extronics’ Auto ID solutions help you to streamline your processes, gain greater control over your inventory, and easily demonstrate compliance with industry regulations.

We offer a variety of passive RFID and barcode scanner options that are suitable for use in hazardous areas. Flexible and affordable, you can choose the right solution for your application.

Low cost, passive RFID has historically struggled to perform in hazardous areas such as the petrochemical industry because of interference from metals and liquids and the heavy, awkward nature of available readers. Not any more: Extronics provides a range of fully certified passive RFID tags that are low-cost and high performance in industrial environment, and versatile RFID reader options for maximum operational flexibility and integration with Industrial Internet of Things and Industry 4.0 systems. These passive solutions allow customers to track assets and manage their supply chain with high accuracy.

Extronics also offer the iSCAN range of scanners capable of reading 1D, stacked PDF, and 2D barcodes and images. Highly rugged and extremely durable, these scanners have proven themselves suitable for harsh industrial and hazardous areas.
Passive RFID

iRFID500 Handheld Bluetooth Passive UHF RFID Tag Reader

The iRFID500 is a handheld Bluetooth UHF RFID passive tag reader. Built around the CAEN RFID engine, the iRFID500 has been created to work seamlessly with Android, Windows, or Apple smartphones and tablets for a greater range of functionality. The iRFID500 is invaluable for supporting operations such as inventory management, tracking and tracing, maintenance planning, and regulatory compliance.

- Works standalone or via Bluetooth connection to a smart mobile device such as a smartphone or tablet
- Available as either hazardous area certified or simply rugged for industrial use, and as either ETSI or FCC versions
- Lightweight, ergonomically designed, and with a long battery life, the iRFID500 is easy to carry during long shifts

Certification
ATEX / IECEx Zone 0, 1, 2, 20, 21 and 22
Mining M1
US & Canada Class I, II Div 1

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRFID50001</td>
<td>iRFID500 UHF RFID reader, ETSI frequency, ATEX/IECEx/MET US &amp; Canada</td>
</tr>
<tr>
<td>IRFID50003</td>
<td>iRFID500 UHF RFID reader, FCC frequency, ATEX/IECEx/MET US &amp; Canada</td>
</tr>
<tr>
<td>IRFID50005</td>
<td>iRFID500 UHF RFID reader, ETSI frequency, industrial version</td>
</tr>
<tr>
<td>IRFID50007</td>
<td>iRFID500 UHF RFID reader, FCC frequency, industrial version</td>
</tr>
</tbody>
</table>

Demonstration kits and additional charging cables are available – please see the Passive RFID Accessories section.
iTAG500 Intrinsically Safe Passive UHF RFID Tags

The iTAG500 range of intrinsically safe, passive UHF RFID tags represents a breakthrough in asset tracking for hazardous areas. Developed in partnership with Omni-ID®, the range utilises Omni-ID’s unique patented plasmonic structure which produces market-leading performance.

- Wide variety of tags to suit your application
- Excellent read signal on, off, and near to metals and liquids
- Broadband operating range, optimised across 860-960MHz, so you can use the iTAG500 range across the world in accordance with EPC Gen2 Protocol

EXO – Deployed today in some of the harshest environments on earth, the Exo range are the most rugged passive RFID tags in the industry. Exo tags provide the durability of an encased RFID tag for applications requiring a small footprint in a harsh environment. A variety of sizes are offered for tracking industrial assets, including tools, as well as tracking small containers and RTIs in manufacturing.

IQ – This line of low-profile and printable on-metal RFID labels are used primarily for tracking IT Assets in datacentres and offices. With print, peel and stick flexibility, tagging IT Assets is simple, cost effective, and efficient. With both global frequencies and balanced performance for both on/off metal, this broad range of passive RFID label products come in a variety of sizes and read ranges.

FIT – With the highest size to performance ratio in the industry, the FIT range of tags includes a wide variety of the smallest, lowest profile tags on the market. From the flexibility of on/off metal performance to the ability to embed at the point of manufacture, these tags are ideal for tool and rental equipment tracking.

ADEPT – From a rubberised tag to fit industrial hoses, to a strap attachment tag for large cylinders and a steel-encased tag very heavy industry uses, the Adept family of tags is designed to meet speciality use cases or non-traditional applications.

Certification

Certifications may vary depending on the tag variant chosen, but most tags are:
- ATEX / IECEx Zone 0, 1, 2, 20, 21, and 22
- Mining M1
- US & Canada Class I Div 1
- IP68

Ordering Information

For more detail on the variants, please refer to the tag comparison guide on www.extronics.com

For product codes, please contact Extronics sales on +44 845 277 5000 or info@extronics.com
iRFID101 Fixed Zone 1 UHF RFID Readers

The iRFID101is a fully certified RFID Reader enclosure system with intrinsically safe RF outputs. It’s specifically designed to allow the deployment of RFID Readers from leading vendors such as SICK, CAEN, Impinj, and others in hazardous areas. Use the iRFID101 with passive RFID tags, such as the iTAG500 range, to locate assets across the site for better traceability and increased efficiency.

- Your choice of reader module from market-leading vendors such as SICK, CAEN, Impinj, and more
- Use your choice of simple apparatus antennas with the intrinsically safe RF outputs – antennas can also be hot swapped for minimal downtime
- Variable read range up to 10m – tailor to your application for greater accuracy

Certification
ATEX / IECEx Zone 1, 2, 21 and 22

Ordering Information
This is a configured product – for more specification details and order codes, please refer to the datasheets on www.extronics.com

Passive RFID Accessories

iRFID500 Demonstration Kit
iRFID500 demonstration kit to enable you to test out your application. Includes iRFID500 variant, USB charger and data cable, wrist lanyard, and selection of passive RFID tags.

Ordering Information
Product codes
<table>
<thead>
<tr>
<th>Product code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRFID500DK1</td>
<td>(includes IRFID50005)</td>
</tr>
<tr>
<td>IRFID500DK2</td>
<td>(includes IRFID50007)</td>
</tr>
<tr>
<td>IRFID500DK3</td>
<td>(includes IRFID50001)</td>
</tr>
<tr>
<td>IRFID500DK4</td>
<td>(includes IRFID50003)</td>
</tr>
</tbody>
</table>

iRFID500 USB Charger and Data Cable
Additional iRFID500 USB charger and data cable. Note: all iRFID500 units are shipped with one charge/data cable per unit.

Ordering Information
Product code
IRFID500UC

iRFID101 Pole Mount Bracket Kit
Contains complete set of brackets & fixings for mounting to pole diameter 58.7mm - 63.5mm (2 1/4 - 2 1/2" inch). Additional pipe bracket clips available on request for alternative pole diameters.

Ordering Information
Product code
IWAPMB03
Barcode Scanners

The iSCAN range of barcode scanners includes handheld and fixed readers, as well as cabled and Bluetooth options.

Here’s a quick overview to help you understand which variant is right for you:

### iSCAN1xx Cabled Handheld Barcode Scanners

The iSCAN1xx is a range of cabled handheld barcode scanner, designed for use in hazardous areas. Capable of reaching speeds of up to 500 scans per second and with a long reading distance, the iSCAN1xx range records barcodes quickly and accurately. Ergonomically designed, the iSCAN1xx range helps you improve asset management, inventory control, and prove compliance.

- Variants available to read all standard 1D, stacked PDF, and 2D barcodes
- RS232/422 or USB
- Wide range of supporting accessories

### Certification

ATEX / IECEx Zone 1 and 21 OR Zone 2 and 22

### Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISCAN101PDF</td>
<td>ISCAN101PDF Zone 1/21 cabled handheld scanner. Reads standard 1D and stacked PDF barcodes. Cable not included</td>
</tr>
<tr>
<td>ISCAN112D</td>
<td>ISCAN112D Zone 1/21 cabled handheld barcode scanner. Reads 2D, 1D and stacked PDF barcodes. Cable not included</td>
</tr>
</tbody>
</table>

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**Auto ID Solutions**

Auto ID Solutions

35
iSCAN2xx Bluetooth Handheld Barcode Scanners

The iSCAN2xx series are Bluetooth handheld barcode scanners, designed for use in hazardous areas. Read barcodes wherever you need with wireless operation and a Bluetooth link. Hazardous area recharging is also available for maximum operational flexibility. Capable of reaching speeds of up to 60 scans per second and with a long reading distance, the iSCAN2xx range records barcodes quickly and accurately. Ergonomically designed, the iSCAN2xx range helps you improve asset management, inventory control, and prove compliance.

- Variants available to read all standard 1D, stacked PDF, and 2D barcodes
- RS232/422 or USB
- Wide range of supporting accessories

Certification
ATEX / IECEx Zone 1 and 21 OR 2 and 22

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISCAN211</td>
<td>ISCAN211 Bluetooth handheld scanner, battery included, Zone 1/2. Reads standard 1D barcodes</td>
</tr>
<tr>
<td>ISCAN211PDF</td>
<td>ISCAN211PDF Bluetooth handheld scanner, battery included, Zone 1/2. Reads standard 1D and stacked PDF barcodes</td>
</tr>
<tr>
<td>ISCAN2112D</td>
<td>ISCAN212D Bluetooth handheld scanner, battery included, Zone 1/2. Reads 2D, 1D and stacked PDF barcodes</td>
</tr>
</tbody>
</table>

Barcode Scanner Accessories

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW! ISCAN211</td>
<td>ISCAN211 Bluetooth handheld scanner, battery included, Zone 2/22. Reads standard 1D barcodes</td>
</tr>
<tr>
<td>NEW! ISCAN211PDF</td>
<td>ISCAN211PDF Bluetooth handheld scanner, battery included, Zone 2/22. Reads standard 1D and stacked PDF barcodes</td>
</tr>
<tr>
<td>NEW! ISCAN2112D</td>
<td>ISCAN212D Bluetooth handheld scanner, battery included, Zone 2/22. Reads 2D, 1D and stacked PDF barcodes</td>
</tr>
</tbody>
</table>

ISCANxx Cables
Zone 1 cables for connecting an iSCANxx handset to the power supply.

<table>
<thead>
<tr>
<th>Product codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISCANXXCAB1 (RS232, smooth, 1.8m)</td>
</tr>
<tr>
<td>ISCANXXCAB2 (RS232, spiral, 3.8m)</td>
</tr>
<tr>
<td>ISCANXXCAB3 (USB, smooth, 1.8m)</td>
</tr>
<tr>
<td>ISCANXXCAB4 (USB, spiral, 3.8m)</td>
</tr>
</tbody>
</table>

ISCAN2xx Base Station Cables
Cables for connecting the iSCAN2xx base station to power supply (hazardous area charging configurations), or basecharging station to PC (safe area charging configurations).

<table>
<thead>
<tr>
<th>Product codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISCAN2XXCAB1 (Non-Ex, RS232, smooth, 1.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB2 (Non-Ex, RS232, spiral, 3.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB3 (Non-Ex, USB, smooth, 1.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB4 (Non-Ex, USB, spiral, 3.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB5 (Zone 1, RS232, smooth, 1.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB6 (Zone 1, RS232, spiral, 3.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB9 (Zone 1, USB, smooth, 1.8m)</td>
</tr>
<tr>
<td>ISCAN2XXCAB10 (Zone 1, USB, spiral, 3.8m)</td>
</tr>
</tbody>
</table>
iSCAN2xx Base and Charging Stations
The iSCAN2xx can connect either with a base station (Bluetooth connectivity and charging functionality) or with a charging station (charging functionality only, no Bluetooth connection). These stations are available either as certified for Zone 1/21, Zone 2/22, or without any hazardous area certification. Base station connection cables are not included, but are available to purchase separately.

Ordering Information

**Product codes**
- iSCAN2XXEXB3 (Zone 1/21 base station for all iSCAN2XX variants)
- iSCAN2XXB3 (Non-Ex base station for all iSCAN2XX variants)
- iSCAN2XXBNOBT3 (Non-Ex charging station for all iSCAN2XX variants, no Bluetooth)
- iSCAN2XXB2D (Zone 2/22 base station for all iSCAN2XX variants)
- iSCAN2XXB2D (Non-Ex base station for all iSCAN2XX variants)
- iSCAN2XXBNOBT2D (Non-Ex charging station for all iSCAN2XX variants, no Bluetooth)

iSCAN Power Supplies
The iSCANPS is an intrinsically safe Zone 1 certified power supply module for use with the iSCAN handheld scanners. It powers the iSCAN1x1 directly, and the iSCAN2x1 via the base station.

The iSCANPS CAB is a power supply cable/module that powers the iSCAN102 directly, and the iSCAN212 via the base station.

Ordering Information

**Product codes**
- iSCANPS1 (DC 24V, RS232. Zone 1/21, for all variants except iSCAN1112D)
- iSCANPS2 (DC 24V, USB. Zone 1/21, for all variants except iSCAN1112D)
- iSCANPS3 (AC 230V, RS232. Zone 1/21, for all variants except iSCAN1112D)
- iSCANPS4 (AC 230V, USB. Zone 1/21, for all variants except iSCAN1112D)
- iSCANPS5 (DC 24V, RS232. Zone 1/21, for iSCAN1112D only)
- iSCANPS6 (DC 24V, USB. Zone 1/21, for iSCAN1112D only)
- iSCANPS7 (AC 230V, RS232. Zone 1/21, for iSCAN1112D only)
- iSCANPS8 (AC 230V, USB. Zone 1/21, for iSCAN1112D only)
- iSCANPS CAB (3 m, DC 24V (8-30V), RS232, Zone 2/22)
- iSCANPS CABR (3 m, DC 5V, USB, Zone 2/22 (supply from PC))
- iSCAN2XXBLP power supply for base/charging station, DC 5V, non-Ex

iSCAN2xx Battery
Spare lithium ion battery for iSCAN2xx variants.

Ordering Information

**Product code**
- iSCAN2X1BATT Spare lithium ion battery for iSCAN211, Zone 1/21
- iSCAN2X2BATT Spare lithium ion battery for iSCAN212, Zone 2/22

Extension Cables
Extension cables with male connectors, suitable for use with RS232 iSCANxxxxCABxx cables.

Ordering Information

**Product codes**
- iSCANCC1 (Zone 1, smooth, 6m)
- iSCANCC2 (Zone 1, spiral, 4.5m)

iSCAN Mounting Options
Stands suitable for all handheld iSCAN variants.

Ordering Information

**Product codes**
- iSCANSTAB (tabletop)
- iSCANSTRI (tripod)
When there's a blackout or brownout, it's absolutely critical that key equipment - such as blow out prevention systems, instrumentation and control systems, and navigation or landing lighting – are kept operational. Not only does this ensure the safety of workers at the site, it reduces the risk of further incidents and ensures that emergency procedures can be carried out to reduce downtime.

With this in mind, Extronics developed the iUPS series of uninterruptible power supplies, designed to keep your team safe and your operations online. A modular system, it can be tailored to your specific application and equipment requirements.

This is supported by the iBATT range of battery enclosures, which are also personalised to suit your needs.

Extronics created these products to reduce the cost of fully bespoke engineered solutions and provide customers with a high quality yet cost-effective option.
Uninterruptible Power Supplies

iUPS101 Zone 1 Uninterruptible Power Supply

The iUPS101 Uninterruptible Power Supply system provides reliable back up power to ensure that vital equipment – such as instrumentation and control systems, navigation or landing lighting, and blow out prevention systems – remain operational in the event of a blackout or brownout.

The modular design means that the load and back up time can be tailored for your application – it depends on the battery unit you choose to work alongside the iUPS101. Designed to be wall mounted, the iUPS101 UPS system includes an aluminium alloy Ex d charger/inverter enclosure, a stainless steel Ex e terminal enclosure, and a battery enclosure. This could be the stainless steel iBATT100 Ex e battery enclosure containing maintenance-free valve regulated lead acid batteries, or a tailored option from our iBATT5xx range.

Access to incoming and outgoing cables is easy – the Ex e enclosure is close coupled to the Ex d enclosure via cable bushings, so there is no need to open the Ex d enclosure. The Ex d enclosure has a glass window to show alarm and status information, and comes complete with door mounted Ex d buttons to configure the UPS display and program the two volt free auxiliary contact to use system or alarm information. The iUPS101 also includes advanced battery charge control for increased battery life.

Certification
ATEX Zone 1 and 2 (IECEX certification available on request)

Ordering Information
This is a configured product – for specification details and order codes, please refer to the datasheet on www.extronics.com. Installation kits are also available.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>IUPS10124IK</td>
<td>Installation kit for 24V iUPS101 system</td>
</tr>
<tr>
<td>IUPS10148IK</td>
<td>Installation kit for 48V iUPS101 system</td>
</tr>
</tbody>
</table>
iUPS200 Zone 2 Uninterruptible Power Supply

The iUPS 200 Zone 2 UPS Enclosure is certified for use in Zone 2 hazardous areas and provides back up power for up to 120 minutes, at 70W full load, to ensure that vital equipment – such as wireless network nodes or mustering systems – remain operational in the event of a blackout or brownout.

Designed to be mounted on either a wall or a pole, the iUPS200 is made of 316L stainless steel with IP66 protection. It’s purpose-built to endure in harsh industrial environments.

Certification
ATEX / IECEx Zone 2

Ordering Information
This is a configured product – for specification details and order codes, please refer to the datasheet on www.extronics.com

Battery Options

iBATT5xx Zone 1 Universal Battery Enclosure System

The iBATT5xx is designed to be configured to suit your application. It is available in a wide range of sizes and will contain the batteries of your choice (up to 36 cells). Certified for ATEX and IECEx Zones 1 and 2, it can house a variety of different lead acid, nickel cadmium, and nickel iron batteries. As well as safe area charging, the iBATT5xx may be charged in the hazardous area in line with the battery manufacturer’s instructions, providing that a method of protecting against overvoltage and overcurrent is used.

The iBATT5xx can be used as an independent battery enclosure, providing the special conditions for safe use (as per the ATEX/IECEx certificates) are met. The iBATT5xx can also be easily used in conjunction with Extronics’ range of UPS solutions, such as the iUPS101.

Certification
ATEX / IECEx Zone 1 and 2

Ordering Information
This is a configured product – for specification details and order codes, please refer to the datasheet on www.extronics.com
iBATT100 Zone 1 Stainless Steel Battery Enclosure

The iBATT100 is a Zone 1 battery enclosure system constructed from 316L Stainless Steel. It houses two 12V valve regulated lead acid batteries, connected in series, for superior performance and longer life than conventional electrolyte batteries. The iBATT100’s hinged lid is lockable, ensuring easy access for battery replacement and maintenance whilst avoiding tampering. Rechargeable in hazardous or safe areas and low maintenance, the iBATT100 is a hassle-free solution.

Certification
ATEX / IECEx Zone 1 and 2

Ordering Information

<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>iBATT100</td>
<td>iBATT100 Zone 1 rugged battery enclosure in 316L stainless steel. Only suitable for use with approved batteries, not included - supplied separately</td>
</tr>
<tr>
<td>A320016</td>
<td>iBATT100 24V battery pack. Contains 2x 12V VRLA batteries</td>
</tr>
<tr>
<td>A320017</td>
<td>iBATT100 48V battery pack. Contains 4x 12V VRLA batteries</td>
</tr>
</tbody>
</table>

BK-Ex Zone 1 & 21 Battery Box

The BK-Ex is a rugged stainless steel rechargeable battery enclosure for use in the hazardous area. The enclosure can be used in mobile or fixed applications and is fitted with an ATEX and IECEx certified outlet socket for easy connection to the equipment. The enclosure cannot be recharged in the hazardous area.

Certification
ATEX / IECEx Zone 1, 2, 21, and 22

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>920051000</td>
<td>BK-EX 24v Explosion-protected battery box for Zones 1 &amp; 21 with accumulator maintenance-free lead gel cells</td>
</tr>
<tr>
<td>MO02988</td>
<td>Charger for BK-EX 24V Battery Box</td>
</tr>
<tr>
<td>MO02990</td>
<td>BK-EX Battery Outlet Plug, for fitting to item to be charged by the battery</td>
</tr>
</tbody>
</table>
iCAM502 Autofocus Zone 0 Handheld Digital Camera

The iCAM502 Autofocus is a Zone 0 intrinsically safe digital camera, the perfect visualisation tool for use in hazardous areas. Capable of taking pin-sharp images from as close as 5cm, the iCAM502 is perfect for rating plates, wiring cabinets and general inspections. Easy to carry and powered by standard alkaline cells, the iCAM502 is ready to use anytime, any place. Simple to use with anti-shake, image sharpness analysis, and a 4 LED flash, the iCAM502 can also record voice annotations alongside photos.

Certification
ATEX / IECEx Zone 0, 1 and 2
Mining M1
US & Canada Class I Div 1

Ordering Information

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<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>ICAM502</td>
<td>iCAM502 - Zone 0 Intrinsically Safe Digital Camera with Autofocus complete with removable black silicone rubber casing, 2 x AA Duracell batteries, wrist lanyard and mini USB to USB cable</td>
</tr>
<tr>
<td>A250084</td>
<td>Replacement iCAM502 silicone rubber casing</td>
</tr>
</tbody>
</table>
Founded in 1992, Extronics has over 25 years of experience serving the process industries, such as oil and gas, chemical, pharmaceutical, and mining. We specialise in developing and manufacturing intrinsically safe and explosion proof equipment for use in hazardous areas, and rugged products for industrial environments.

SMART – at the forefront of technology, Extronics products are developed by our experienced R&D team to solve problems experienced by companies in the process industries.

SAFE – With a strict quality policy and ISO9001 manufacturing system, Extronics certifies its products in accordance with ATEX, IECEx, and North American regulations for explosive atmospheres. Plus, all our products are designed to be rugged for practical industrial use.

CONNECTED – our strategy aligns with the Internet of Things and Industry 4.0 movements. Extronics offerings integrate with other systems to provide enterprise solutions that save our customers time and money.

Welcome to the latest Extronics catalogue!

We're dedicated to delivering world-class products and solutions that help our customers work smart, safe, and connected. Working hard, doing right by our customers, and taking responsibility are at the core of Extronics.

John Hartley, Executive Chairman, Extronics Ltd

Haven’t found what you’re looking for?

Our experienced team of engineers have a proven track record of creating customised solutions for wireless, RTLS, auto ID, and backup power.

- solutions created to meet your specific requirements
- comprehensive supporting documentation package
- full project management
- flexible, responsive service

Get the right solution for you

Our highly knowledgeable Engineering team fully assess your requirements against the regulations for hazardous areas to determine the most practical, cost-effective solution. One of our team will act as Project Manager for you, keeping you informed about the progress of your solution.

Full documentation package for auditing

Every Extronics solution comes with comprehensive documentation. This will include regulatory documentation for hazardous area certification (such as ATEX, IECEx, MET, FM etc.), EU declarations of conformity, safety manuals, plus all the mechanical drawings and documents produced during the project. This enables you to easily demonstrate compliance in an audit situation.

Purpose-designed facilities

Our premises in Cheshire, UK, provide an ideal production environment and include a broad range of CNC, milling, drilling, and associated machinery. These enable Extronics to provide a comprehensive, flexible and responsive service for both standard and bespoke engineering requirements.

Let us help you – contact Extronics Sales with your requirements for a free, no obligation quotation.
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info@extronics.com

www.extronics.com

Extronics Product Catalogue

Helping our global customers in the process industries work smart, safe, and connected