Zebra WherePort III

Zebra Location Solutions offers the WherePort III Tag Exciter to indicate proximity to a known area or critical threshold by triggering a WhereTag to transmit an alternate "blink" pattern. The WherePort III Tag Exciter emits a magnetic field that is nearly spherical and its range is adjustable from approximately 1m (3ft) to 7.5m (25ft) with proper orientation. For especially large thresholds (such as very large dock doors) or areas where there may be signal blockage, multiple WherePorts can be interconnected to provide a larger coverage area. Additionally, the WherePort III can be used to delineate between adjacent doors or lanes when a tag may pass through one of multiple openings.

The WherePort III Tag Exciter is compliant with the ISO/IEC 24730-2 standard. Designed for indoor and outdoor applications, the WherePort III is sealed against dust and water. The WherePort III includes an adjustable mounting bracket and requires only 24VAC or 36VDC power. Data cables are not required for basic functions, but can be utilized for more complex applications.

The WherePort III is equipped with an RS-232c interface that allows easy programming, and firmware upgrades. The RS-232c interface allows real-time control of the WherePort III exciter functions including power level and tag commands. Our WherePort III Tag Exciter also provides the ability to load information into a WhereTag for transmission to the RTLS infrastructure for process control applications.

A WhereTag can be used and configured as a WherePort Health and Status Asset Tag to broadcast real-time WherePort III health and status information to the RTLS infrastructure and Middleware software applications.

The Benefits of WherePort III

- ISO/IEC 24730-2 Tag Exciter (Adjustable Range)
- DartUWB Tag Exciter (Adjustable Range)
- Ruggedized for Outdoor Use
- RS-232c Serial Interface
- Real-Time Control of Functions

WherePort III Product Variants

- WherePort III is the "Standard Tag Exciter" (supports both WhereTags and DartTags)
- WherePort III with Internal DC/DC Converter (supports both WhereTags and DartTags)
- WherePort III HD is the "Heavy Duty Tag Exciter" (supports both WhereTags and DartTags)
- WherePort III HD with Internal DC/DC Converter (supports both WhereTags and DartTags)

PRODUCT SPECIFICATIONS

PHYSICAL

Diameter	229mm (9.0in)
Depth	133mm (5.25in)
Weight	1.0kg (2.2lbs)

ENVIRONMENTAL

Operating Temperature	-40°C to +55°C (-40°F to +131°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Environmental Sealing	IP65 (Dust-tight and Water Jets)

POWER

Power Consumption	24VAC or 36VDC, 250mA (max), 4.2W (max)
Power Supply	• PS-031-00: 90-264VAC Input, 47 to 63Hz, 36VDC Output, 40W

PERFORMANCE

ISO 24730-2 Proximity Exciter	• Frequency Range: 2.4GHz to 2.483GHz • Field Intensity Limits: 125A/m (ANSI/IEEE C 95.1) or 51.5dBuV/m at 10m (ETSI) • Propagation Limits: 18.9uV/m at 300m (FCC) • Location Accuracy: 0.9m R50, 1.6m R95

COMMUNICATIONS

RS-232c Serial Interface	19.2kbps Data Rate, 8 Data Bits, 1 Stop Bit, No Parity

REGULATORY APPROVALS

Asia Pacific	• China CMIIT
Europe	• EN 55022 Class A • EN 55024 • TUV GS per EN 60950 • EMC Directive 89/336/EEC
North America	• FCC Part 15 Class B, Part 15.247 • Industry Canada ICES-003, RSS-210, RSS-GEN
South America	• Argentina CNC • Brasil ANATEL
Worldwide	• ISO/IEC 24730-2 Compliant • DartUWB Compliant

PART NUMBERS

Part Number	Description
WPT-3200-T1AA	WherePort III with Dart Support
WPT-3200-T2AB	WherePort III with Internal DC/DC
WPT-3200-02DA	WherePort III Heavy-Duty
WPT-3200-02DB	WherePort III HD with Internal DC/DC

PRODUCT ACCESSORIES

• WherePort III Adapter Cables
• WherePort Installation Tool
• WherePort III Mounting Kits
• WherePort III Power Supplies

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