WherePort IV®

ZEBRA TECHNOLOGIES

SEE MORE. DO MORE.

WherePort IV® Benefits

- Indoor Ethernet Enabled Exciter
- IEEE 802.3af POE Compliant
- Thin Profile Design
- High Precision Range Control

Ethernet Enabled Exciter

Zebra Location Solutions offers an indoor Ethernet enabled WherePort IV exciter. The WherePort IV is used to indicate proximity by triggering a WhereTag IV asset tag to transmit a series of 24730-2 or Wi-Fi CCX blinks containing the unique ID associated with the WherePort IV. These WherePort blinks provide enhanced visibility as an asset passes through the WherePort IV field. This capability is typically used to capture activity at critical points of work, such as entry/exit gates, shipping/receiving dock doors, repair depots, and final assembly. Points of work can be defined in the Real Time Locating System (RTLS) software as two-dimensional zones. WherePorts enhance the system's ability to track work-in-process even in areas where a full-locate RTLS reader density is not necessary.

The WherePort IV can also enable or disable an alternate blink mode in a WhereTag IV asset tag. The alternate blink mode is typically a faster blink rate for a fixed time period, which provides enhanced visibility upon entry or exit of critical points of work.

The WherePort IV signal field is nearly spherical and its range is configurable from approximately 0.5 m (1.5 ft) to 7 m (23 ft). The range setting is configurable with 32 possible settings. Multiple WherePort IV exciters can be interconnected to provide a larger coverage area.

The WherePort IV exciter is sealed against dust and water, and meets NEMA 12 specifications. The WherePort IV is designed for fixed indoor applications, and may be installed in plenum space. The WherePort IV offers a more streamlined appearance than the WherePort III due to its smaller form factor.

The WherePort IV exciter offers Ethernet connectivity for communications and configuration. It can also be configured with a WhereWand Configuration Tool. Power is provided to the WherePort IV by either an IEEE 802.3af compliant Power over Ethernet (PoE) network connection, or a discrete power jack for non-PoE applications. Ethernet connectivity with the WherePort IV is not required for normal operations.

SPECIFICATIONS

WHEREPORT IV®

Model
WPT-3400

Environmental/Physical/Power

Operating Temperature
-20º C to +50º C (-4º F to +122º F)

Storage Temperature
-40º C to +60º C (-40º F to +140º F)

Sealing
NEMA 12, IP54

Input Voltage
48 VDC or PoE (802.3af compliant)

Diameter
19.35 cm (7.62 in)

Depth
6.66 cm (2.62 in)

Weight
1.0 Kg (2.2 lbs)

Power (max)
12.95 Watts (PoE)

Power (typical)
8 Watts

RS-232c Serial Interface

Data Rate
19.2Kbps

Protocol
8 data bits, 1 stop bit, no parity

RS-232c
Requires Optional Communication Cable

Ethernet Communications Interface

• IEEE 802.3af compliant Power over Ethernet
• Static IP addressing (default)
• DHCP (configurable)
• 10/100 Mbps, RJ-45 Jack

Wireless Air Interface

Transmission Frequency
115 kHz – 127 kHz

Modulation
FSK

Range (32 configurable settings)*
from 0.5 m (1.5 ft) to 7 m (23 ft)

Regulatory Approvals*

• FCC Part 15 Class A
• FCC Part 15 Subpart C
• ICES-003
• IC RSS-210
• EN 55022 Class A
• EN 300 330
• EN 301 489
• EN 60950
• EMC Directive 204/108/EC
• R&TTE Directive 99/5/EC
• LV Directive 2006/95/EC
• cTUVus

Standards
ISO/IEC 24730-2 Compliant

Optional Accessories

• CBL-410-00: WherePort IV to WhereWand I Cable
• CBL-420-00: WherePort IV to WhereWand II Cable
• CBL-430-00: WherePort IV RS-232 Cable
• PS-040-00: AC to DC Power Supply 120/240VAC – 48 VDC
• PC-154-00: AC Power Cord for Continental Europe (IEC 320 / C13)

* Typical full power open air environments.

Specifications are subject to change without notice.

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