XPand6052

End of Life

Small Form Factor (SFF) System Featuring XPedite5205 Running Cisco IOS®

Please contact X-ES Sales

- Integrated XPedite5205: NIST FIPS 140-2 Overall Level 1 validated on certificate #2242

- Integrated XPedite5205: NIAP Common Criteria Certified

- Runs Cisco IOS® software

- Cisco® Unified Communications Manager Express (CME) support

- Cisco® Mobile Ready Net, which allows for mobile ad hoc networking and radio aware routing

- Hardware acceleration and encryption

- Integrated threat control using Cisco IOS® Firewall, Cisco IOS® Zone-based Firewall, Cisco IOS® Intrusion Prevention System (IPS), and Cisco IOS® Content Filtering

- Identity management using authentication, authorization, and accounting (AAA) and public key infrastructure

- Dimensions: 8.2 in. (L) x 4.88 in. (W) x 1.85 in. (H)

- Conduction cooling

XPand6052

The XPand6052 is a Small Form Factor (SFF) system featuring the XPedite5205 Embedded Services Router, which runs Cisco IOS® Software with Cisco® Mobile Ready Net capabilities. The XPand6052 can be utilized as a development platform or a deployed system.

The XPedite5205 uses the same Cisco IOS® that IT staffs in the military, energy, public safety, and other industries are already trained on, enabling these organizations to expand their network to personnel, equipment, facilities, and vehicles at the edge of the network – warfighters on the battlefield, mines and drilling platforms, natural disaster mobile command centers – without any additional training. The XPand6052 can be connected to UHF, VHF, Wi-Fi, and other IP-based radio platforms to create the network nodes used to form mobile ad hoc networks (MANETs). Able to operate without a connection to central infrastructure, MANETs offer many advantages for military, public safety, and emergency response users. The XPedite5205 extends the Cisco® enterprise infrastructure beyond the reach of traditional fixed-network infrastructure for oil and gas, mining, smart grid, heavy construction, transportation, homeland security, and public safety applications.

The router offers high performance, four Gigabit Ethernet interfaces, and a rich Cisco IOS® Software feature set for the most Size, Weight, and Power (SWaP)-constrained applications. To meet the needs of demanding mobile and embedded networking applications, the XPand6052 provides hardware encryption, radio aware routing (RAR) with support for the latest Dynamic Link Exchange Protocol (DLEP), support for IPv6, integrated threat control with integrated Cisco IOS® firewalls and Intrusion Prevention System (IPS), and Quality of Service (QoS).

X-ES
Extreme Engineering Solutions

"Fast, Flexible, Customer-Focused Embedded Solutions"

Extreme Engineering Solutions

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Physical Characteristics

Dimensions do not include connectors

- Dimensions: 8.2 in. (L) x 4.88 in. (W) x 1.85 in. (H)
- Weighs less than 4 lbs.
- Environmentally sealed

Configuration

- Includes one XPedite5205 Cisco IOS® router

XPedite5205 External I/O

- Four 10/100/1000BASE-T Ethernet ports
- One console RS-232 serial port
- One auxiliary RS-232 serial port
- D38999 circular connector

Accessories

- Development kits are available. Please consult factory.

Power Supply

- Integrated MIL-STD-704F 28 VDC input voltage power supply
- Integrated MIL-STD-461 EMI filtering

XPand6052

J1 — Integrated 28 VDC Input Power Supply

XPedite5205
Cisco IOS®
Embedded Services
Router (ESR)

P14

4x 10/100/1000BASE-T
2x RS-232

J2

Carrier Card

bsi. ISO 9001 Quality Management