# CDP-5940

<span style="color:red">**End of Life**</span>

Development Platform for Mobile Ad Hoc Networks based on Cisco® CDP-5940 Router  <span style="color:red">Please contact X-ES Sales</span>

- ❯ Includes XPedite7530 Intel® Core™ i7 processor system slot 3U cPCI module with 16 GB of DDR3-1600 ECC SDRAM

- ❯ Includes Cisco® CDP-5940 ESR in peripheral slot

- ❯ Includes XPort6105 Solid-State Drive (SSD) XMC mounted on XPedite7530

- ❯ Integrated heatsink fins

- ❯ Built-in cooling fans

- ❯ Reset switch

- ❯ CompactPCI bus routed between slots

- ❯ One front panel RJ-45 Gigabit Ethernet port from XPedite7530

- ❯ Three front panel RJ-45 Gigabit Ethernet ports from Cisco® CDP-5940

- ❯ RS-232 serial port from each slot routed to micro-DB-9 connectors

- ❯ Front panel HDMI port from XPedite7530

- ❯ Front panel USB 2.0 port from XPedite7530

- ❯ Front panel eSATA port from XPedite7530



## CDP-5940

The CDP-5940 system is a low-cost debug, development platform for 3U conduction-cooled systems including the Cisco® CDP-5940 Embedded Services Router. It includes the XPedite7530 3U CompactPCI SBC with an XPort6105 512 GB Solid-State Drive (SSD) XMC module, and the Cisco® CDP-5940 ESR with direct Ethernet and serial I/O access to each board.

The CDP-5940 backplane provides CompactPCI bus between the two slots. Ethernet, RS-232 serial I/O, and DVI are routed to RJ-45, micro-DB-9, and HDMI connectors for easy access.

The CDP-5940 is the ideal solution for rapid prototyping mobile ad hoc networks (MANET) based on the Cisco® CDP-5940 ESR. The CDP-5940 3U cPCI hardware is complemented by Cisco IOS® software and Cisco® Mobile Ready Net capabilities. With support for Dynamic Link Exchange Protocol (DLEP), the latest protocol in the Radio Aware Routing (RAR) family of protocols that enable communication between a router and a radio in a mobile ad hoc network, the CDP-5940 provides highly secure yet scalable video, voice, and data services for mobile and embedded outdoor networks.

With a quad-core Intel® Core™ i7 processor and 16 GB of memory, the XPedite7530 has the performance and memory capacity to run multiple mission specific and advanced networking applications from Cisco®, such as Virtual Wide Area Application Services (vWAAS), 1000 V Cloud Firewall (a virtual firewall), and Security Manager. Featuring a 512 GB SSD, the system has ample storage capacity for Cisco® applications.

## X-ES
**Extreme Engineering Solutions**

*...Always Fast*

## Connectors

- One XPedite7530 3U cPCI SBC slot
- One Cisco® CDP-5940 slot
- ATX power supply connector
- Four RJ-45 Ethernet connectors
- One USB Type A connector
- One eSATA connector
- One HDMI connector
- Two micro-DB-9 connectors

## Utility Functions

- Front panel reset switch
- Back panel power switch
- Back panel power rail LED indicators

## System Slot Module

- XPedite7530 Intel® Core™ i7 processor-based conduction-cooled 3U CompactPCI module
- 16 GB of DDR3-1600 ECC SDRAM

## Storage Module

- XPort6105 512 GB Solid-State Drive (SSD) storage XMC Module

## Cisco® CDP-5940 Module

- Ruggedized 3U CompactPCI Embedded Router
- Cisco IOS® software

## I/O Routing

- J1 (SBC slot) Ethernet port 0 routed to J2 (Cisco® CDP-5940 slot) Ethernet port 0
- J1 (SBC slot) Ethernet port 1 routed to RJ-45 connector
- J2 (Cisco® CDP-5940 slot) Ethernet ports 1 through 3 routed to RJ-45 connectors
- J1 and J2 serial ports routed to micro-DB-9 connectors

## External Power Supply

- ATX power supply

## Maximum Power Capacity

- 100 W total