

Cisco HWIC-D-9ESW Datasheet



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Cisco's HWIC-D-9ESW is a 9-port double-wide 10/100BASE-T Ethernet switch HWIC manufactured by industry-leader Cisco Systems. The HWIC-D-9ESW has nine 10/100 switched Ethernet ports, with eight of the ports having the option for inline power support. The ninth port does not support inline power, however, it can be used as a regular switch port for trunking and other normal data applications. It should be noted that the optional inline power support on the HWIC-D-9ESW is offered on the Cisco 2800 Series and the Cisco 3800 Series; it is not offered on the Cisco 1841 of the Cisco 1800 Series (modular). The HWIC-D-9ESW offers features such as port autosensing, quality of service, and VLAN support from 802.1P and 802.1Q standards, and 802.1D spanning tree protocols are standard on the Cisco EtherSwitch HWIC.

The 4- and 9-port Cisco EtherSwitch HWICs (part numbers HWIC-4ESW and HWIC-D-9ESW) are managed 10/100BASE-T Layer 2 switches in a HWIC form factor for the Cisco Integrated Services Routers. The 4-port HWIC comes in a single-wide form factor, and the 9-port HWIC in a double-wide form factor. The switch supports the IEEE 802.1D Spanning Tree Protocol and can be used to connect up to 4 or 9 LANs with up to 15 IEEE 802.1Q-based VLANs (802.1Q). Note: Both HWICs-the 4- and 9-port HWICs-support up to 15 VLANs. They also can be optionally configured to provide 4 or 8 ports of inline power for 802.3af- or Cisco PoE capable devices. The PoE support is not available on the Cisco 1841 router.

Specifications

- Manufacturer: Cisco
- Part Number: HWIC-D-9ESW

- Device Type: Expansion module
- Form factor: Plug-in module
- Interfaces/Ports: 9 x RJ-45 10/100Base-TX Auto-sensing/Auto-negotiating/Auto MDI/MDI-X
- Connectivity Media
 - Category 3 UTP 10Base-T
 - Category 4 UTP 10Base-T
 - Category 5 UTP 10/100Base-TX
- Data Transfer Rate
 - 10 Mbps Ethernet Half/Full-duplex
 - 100 Mbps Fast Ethernet Half/Full-duplex
- Target Applications: Data, voice, and video
- Supported Router Platforms
 - Cisco 1800 (modular), Cisco 2800, and Cisco 3800 series integrated services routers, Cisco 1841 (supports HWIC-4ESW only; no PoE support), Cisco 2801,
 - Cisco 2811, Cisco 2821, Cisco 2851, Cisco 3825, Cisco 3845, Cisco 1941,
 - Cisco 2901, Cisco 2911, Cisco 2921, Cisco 2951, Cisco 3925, Cisco 3945
- Form Factor: HWIC-D-9ESW = Double-wide HWIC form factor
- Dimensions: (W x D x H) HWIC-D-9ESW = 6.20 x 4.74 x 0.76 in.
- Weight: 149 grams (0.33 lb)
- IEEE Protocols
 - Ethernet: IEEE 802.3, 10BASE-T
 - Fast Ethernet: IEEE 802.3u, 100BASE-TX
 - IEEE 802.1d Spanning Tree Protocol
 - IEEE 802.1p CoS for Traffic Prioritization
 - IEEE 802.1q VLAN
 - IEEE 802.1x Security
 - IEEE 802.3x Full Duplex
 - IEEE 802.3af Power over Ethernet Standard
- RFC: RFC 2284, PPP Extensible Authentication Protocol (EAP)
- Manageability
 - SNMP and Telnet interface support delivers comprehensive in-band management, and a CLI management console provides detailed out-of-band management
 - RMON, SPAN, TFTP, NTP
- Environmental
 - Operating Temperature: 32 to 104°F (0 to 40°C)
 - Operating Humidity: 10 to 85% noncondensing operating

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