Cisco HWIC-4ESW-POE Datasheet

Cisco HWIC-4ESW-POE 4pt Ethernet Switch HWIC w/Power Over Ethernet

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The 4-port Cisco EtherSwitch 10/100 high-speed WAN interface card (HWIC) supported on the Cisco 2800 and Cisco 3800 series integrated services routers offer small-to-large-size businesses and enterprise branch office customers the option to integrate switching and routing in one device. This combination offers ease of configuration, deployment, and management while using the powerful characteristics of Cisco routing and Cisco Catalyst switching features.

The Cisco EtherSwitch HWIC with the optional internal chassis provides IP phone power and phone discovery for IP phones. In addition, the Cisco EtherSwitch HWIC supports separate VLAN configuration for IP phones. The auxiliary VLAN feature allows network administrators to segment phones into separate logical networks, even though the data and voice infrastructures are physically the same. The phone discovery feature allows the Cisco 4-port EtherSwitch HWIC to automatically detect the presence of an IP phone and supply inline power.

Specifications

- Manufacturer: Cisco
- Part Number: HWIC-4ESW-POE
- Device Type: Expansion module
- Form factor: Plug-in module
- Interfaces/Ports: 4 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
- Power Daughter Cards: 4-port inline power module (ILPM-4=)
- 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: Single-wide HWIC form factor
- Dimensions (W x D x H): 3.08 x 4.74 x 0.76 in.
- Weight: 108 grams (0.24 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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