

Cisco HWIC-4ESW-C Datasheet



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The 4- and 9-port Cisco® EtherSwitch® 10/100 high-speed WAN interface cards (HWICs) supported on the Cisco 1800 (modular)/1941, Cisco 2800/2900, and Cisco 3800/3900 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 modular 4- and 9-port Cisco EtherSwitch HWICs provide line-rate Layer 2 switching across Ethernet ports using Cisco IOS® Catalyst Software. The 4-port Cisco EtherSwitch HWIC has four 10/100 switched Ethernet ports, with options for inline power support on all four ports. The 9-port Cisco EtherSwitch HWIC has nine 10/100 switched Ethernet ports, with options for inline power support on 8 of the 9 ports. The ninth port does not support inline power but can be used as a regular switch port for trunking and other normal data applications. Features such as port autosensing, quality of service (QoS), VLAN support from 802.1P and 802.1Q standards, and 802.1D spanning tree protocols are standard on the Cisco EtherSwitch HWIC. The Cisco EtherSwitch HWICs are available in standard 4- or 9-port 10/100BASE-TX switch HWIC and Power-over-Ethernet (PoE) configurations. The PoE configurations consist of a 4- or 9-port 10/100BASE-TX switch and a 4- or 8-port inline power module daughter card. The power module daughter card houses a power controller for detecting, classifying, and enabling power on 802.3af-compliant powered devices attached to the HWICs. The inline powered version of the Cisco EtherSwitch HWIC can power Cisco IP phones, Cisco wireless access points, or any other IEEE 802.3af-compliant device. The optional inline power support on the 4- and 9-port HWICs on the Cisco 2800/2900 and Cisco 3800/3900 series of integrated services routers requires the use of a field-replaceable inline power supply.

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