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Overview

The Layer 3 Cisco 1-Port Fast Ethernet High-Speed WAN interface card (HWIC) supported on the Cisco 1841, Cisco 2800, and Cisco 3800 Series Integrated Services Routers offers small-to-large-sized businesses and enterprise branch-office customers the option to add Layer 3 routed ports with many advanced features, including quality-of-service (QoS) and rate-limiting capabilities.

Quick Specs

Figure 1 shows the appearance of HWIC-1FE.



Table 1 shows the Quick Specs.

Device Type	Expansion module
Form Factor	Plug-in module
Interface (Bus) Type	HWIC
Dimensions (WxDxH)	7.8 cm x 12 cm x 1.9 cm
Weight	64 g
Cabling Type	Ethernet 10Base-T, Ethernet 100Base-TX
Data Link Protocol	Ethernet, Fast Ethernet
Data Transfer Rate	100 Mbps
Network / Transport Protocol	TCP/IP, L2TP, PPPoE
Compliant Standards	IEEE 802.2, IEEE 802.3, IEEE 802.3u, IEEE 802.1Q, IEEE 802.3x
Designed For	Cisco 1841, 1841 T1, 1921, 1921 4-pair, 1921 ADSL2+, 1941, 2801, 2801 V3PN, 2811, 2811 V3PN, 2821, 2821 V3PN, 2851, 2851 V3PN, 2901, 2911, 2921, 2951, 3825, 3825 V3PN, 3845, 3845 V3PN, 3925, 3925E, 3945, 3945E

Get More Information

Do you have any question about the HWIC-1FE?

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Specification

HWIC-1FE Data Sheet	
Manufacturer	Cisco
Part Number	HWIC-1FE
Device Type	Expansion module
Form factor	Plug-in module
The Fast Ethernet routed ports on the HWICs have the same characteristics and features as the onboard LAN interfaces for the integrated-services-router platforms. Along with Layer 3 connectivity, such as per-port access control lists (ACLs), routing, and IP addressing, these HWICs provide functions equivalent to those of onboard Fast Ethernet routed ports.	
Interfaces/Ports	1 x RJ-45 10/100Base-TX Auto-sensing/Auto-negotiating/Auto MDI/MDI-X LAN
Data Transfer Rate	10 Mbps Ethernet 100 Mbps Fast Ethernet
Specifications	
Ethernet and VLAN	IEEE802.3 with IEEE802.2 Service Advertising Protocol (SAP) IEEE802.3 with IEEE802.2 and Subnetwork Access Protocol (SNAP) IEEE 802.1Q VLAN tagging Autosensing, autonegotiation, and automatic media-dependent interface crossover (Auto-MDIX) Unique MAC address (not shared with any other interface on the router), assigned MAC address to interface, and subinterfaces Network Management Features CiscoWorks Simple Network Management Protocol (SNMP) support Cisco NetFlow accounting
Additional Features	IGMP, HSRP, GLBP, MPLS, GRE, IPv6, IPsec, L2TPv3, DHCP, NAT, GTS, MGCP, IBM, PPPoE, Bridging
MIBs Supported	ENTITY-MIB, IF-MIB, OLD-CISCO-CHASSIS-MIB, RMON-MIB, ETHERLIKE-MIB, CISCO-ENT-ASSET-MIB, CISCO-ENTITY-FRU-CONTROL-MIB
Agency Approvals	UL 1950, CSA-C22.2 #950, EN60950, TUV GS, IEC 950
Immunity	EN300386, EN55024 and CISPR24, EN50082-1
Emissions	FCC Part 15, Class A ICES-003, Class A EN55022, Class A CISPR22, Class AAS and NZS 3548, Class AVCCI, Class A EN 300386 EN61000-3-3 EN61000-3-2
Physical Specifications	
Dimensions (W x D x H)	3.08 x 4.74 x 0.76 in.
Weight	1-Port: 0.14 lbs or 2.24 oz.
Environmental Specifications	Operating temperature: 32 to 104°F (0 to 40°C) Storage temperature: -4 to 149°F (-20 to 65°C) Relative humidity: 10 to 90%, noncondensing

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