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Overview

Serial and asynchronous high-speed WAN interface cards (HWICs) provide highly flexible connections for Cisco 1800, 1900, 2800, 2900, 3800, and 3900 Series Integrated Services Routers. These HWICs help customers enable applications such as WAN access, legacy protocol transport, console server, and dial access server. You can mix and match HWICs to tailor cost-effective solutions for common networking problems such as remote network management, external dial-modem access, low-density WAN aggregation, legacy protocol transport, and high-port-density support.

Cisco offers four new serial and asynchronous HWICs:

- Cisco 1-Port T1/Fractional T1 DSU/CSU WAN Interface Card (HWIC-1DSU-T1)
- Cisco 1-Port Serial WAN Interface Card (HWIC-1T)
- Cisco 2-Port Serial WAN Interface Card (HWIC-2T)
- Cisco 2-Port Asynchronous/Synchronous Serial WAN Interface Card (HWIC-2A/S)

Quick Specs

Figure 1 shows the appearance of HWIC-1T



Table 1 shows the Quick Specs.

Model	HWIC-1T
Synchronous Support	Yes
Synchronous Maximum Speed (Per Port)	8 Mbps
Asynchronous Support	Yes
Asynchronous Maximum Speed (Per Port)	115.2 kbps
Bisync Support	Yes
Serial Protocols	EIA-232, EIA-449, EIA-530, EIA-530A, V.35, and X.21
Network Clock Synchronization	Yes
NEBS	Type 2/4

TelecommPTT	<ul style="list-style-type: none"> • TBR1 and 2 • JATE Digital • NEBS
Safety Approvals	<ul style="list-style-type: none"> • UL 60950 (United States) • CAN/CSA 22.2, CSA60950 (Canada) • GB 4943 (China) • AS/NZS 60950 (Australia/New Zealand) • EN60950 (Europe) • IEC 60950 (International)
Immunity	<ul style="list-style-type: none"> • EN300386 • CISPR24 • EN55024 • EN50082-1 • 61000-4-2/3/4/5/6/8/11
Emissions	<ul style="list-style-type: none"> • FCC Part 15 Class A • ICES-003 Class A • EN55022 Class A • CISPR22 Class A • AS/NZSCISPR22 Class A • VCCI Class A • EN 300386 • EN61000-3-2/3 • CNS13438
Physical Specifications	<ul style="list-style-type: none"> • Singlewide HWIC, no slot restrictions • Dimensions (H x W x D) 0.8 x 3.1 x 5.6 in. (2.1 x 7.9 x 14.2 cm)
Environmental Specifications	<ul style="list-style-type: none"> • Operating temperature: 32 to 104°F (0 to 40°C) • NEBS short-term operating temperature: 32 to 131°F (0 to 50°C) • Storage temperature: -4 to 149°F (-20 to 65°C) • Relative humidity: 10 to 90%, noncondensing

Datasheet Download

[Cisco ISR One- and 2-Port Serial and Asynchronous High-Speed WAN Interface Cards Datasheet.pdf](#)

Get More Information

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

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Specification

Cisco 1-Port Serial WAN Interface Card (HWIC-1T)	
Manufacturer	Cisco
Part Number	HWIC-1T
Device Type	Expansion module
Form factor	Plug-in module
Specifications	
Synchronous Support	Yes
Synchronous Maximum Speed (Per Port)	8 Mbps
Asynchronous Support	Yes
Asynchronous Maximum Speed (Per Port)	115.2 kbps
Bisync Support	Yes

Serial Protocols	EIA-232, EIA-449, EIA-530, EIA-530A, V.35, and X.21
Network Clock Synchronization	Yes
NEBS	Type 2/4
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Immunity	EN300386, CISPR24, EN55024, EN50082-1, 61000-4-2/3/4/5/6/8/11
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