



















Stratix Industrial Networks Infrastructure At-A-Glance

	Switching and Routing								
Hardware Features	1783-NATR Network Address Translation Router 	Stratix 4300 Remote Access Router 	Stratix® 2000 Unmanaged Switch 	Stratix® 2500 Lightly Managed Switch 	Stratix® 5700 Managed Switch 	Stratix® 5200 Managed Switch 	Stratix® 5400 Managed Switch 	Stratix® 5800 Managed Switch 	Stratix® 5410 Distribution Switch 
Ports Per Module	3	2 and 5 port versions	5, 8, 10, 16 and 18 port versions	5 and 8 port versions	6, 10, 18 and 20 port versions	6,10 and 20 port versions	8, 12, 16 and 20 port versions	10 port base switch with 8 or 16 port copper, PoE and SFP slot expansion modules	28 port version
Total Max Ports	3; including 1 device port	5	18	8	20	20	20	26	28
Fiber Ports (SFP Slots)	—	—	Up to 2	—	Up to 6	Up to 2	Up to 12	Up to 10	16
Copper Ports	Up to 3; including 1 device port	Up to 5	Up to 16	Up to 8	Up to 20 including copper SFP	Up to 20	8 to 20	Up to 26 including expansion modules; and copper SFPs	12
1G Ports	—	5	Up to 8 copper and 2 SFP slots	—	Up to 2 copper or SFP slots	Up to 20	Up to 20	All	All
100 Mbs Fiber Support	—	—	Yes	—	Yes	Up to 2	Yes	Yes	Yes
1G Fiber Support	—	—	Yes	—	Yes	Up to 2	Yes	Yes	Yes
10G Fiber Support	—	—	—	—	—	—	—	—	Yes
Power over Ethernet (PoE)	—	—	—	—	Up to 4 ports	—	Up to 8 ports	Up to 24 ports	Up to 12 ports, may require additional power supply
Flash Memory	SD card - Sold separately	Internal Flash	—	Internal Flash	Internal Flash included. SD card is optional and sold separately.	Internal Flash included. SD card is optional and sold separately.	Internal Flash included. SD card is optional and included.	Internal Flash included. SD card is optional and sold separately.	Internal Flash included. SD card is optional and included.

Power over Ethernet (PoE) provides electrical power along with data on a single Ethernet cable to end devices.

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Specification	1783-NATR Network Address Translation Router 	Stratix 4300 Remote Access Router 	Stratix® 2000 Unmanaged Switch 	Stratix® 2500 Lightly Managed Switch 	Stratix® 5700 Managed Switch 	Stratix® 5200 Managed Switch 	Stratix® 5400 Managed Switch 	Stratix® 5800 Managed Switch 	Stratix® 5410 Distribution Switch 
Operating Temperature	-25 to 70 °C	-20 to 65 °C	-10 °C to 60 °C 1783-US5T and 1783-US8T -40 to 70 °C 1783-US4T1F, 1783-US4T1H, 1784-US5TG, 1783-US6T2F, 1783-US6T2H, 1783-US7T1F, 1783-US7T1H, 1783-US6T2TG2F, 1783-US6T2TG2H, 1783-US8TG2CG, 1783-US16T, 1783-US16T2S	-20 to 60 °C	-40 to 60 °C	-40 to 60 °C	-40 to 70 °C	-40 to 60 °C	-40 to 60 °C
Environmental Rating	None (open-type)	IP20	IP30	IP30	IP30	IP30	IP30	IP30	IP30
Dimensions	131 mm H 35 mm W 104 mm D	36.4 to 46.4 mm W 146 mm H 129 mm D	115 to 135 mm H 30 to 88 mm W 68 to 106 mm D	130 mm H 38 to 46 mm W 117 mm D	130 mm H 75 to 127 mm W 117 to 128 mm D	127 mm H 65 mm to 110 mm W 111 to 130 mm D	160 mm H 150 mm W 129 mm D	153 mm H 92 to 112 mm W 152 mm D	40 mm H 440 mm W 300 mm D
Power Requirements	20.4V-27.6V DC	9 to 34V DC	24V (18-60V DC, 18-30V AC) SELV	12-24V DC, 0.3-2.0A SELV	12 V/24V/48V DC Class 2 / SELV	12 to 48V DC Class 2/SELV	12V-54V DC	12V-48V DC or 12V-54V DC	24V-60V DC or 100-240V AC and 100-250V DC
More Information	1783-TD002	1783-TD002	1783-TD002	1783-TD002	1783-TD002	1783-TD002	1783-TD002	1783-TD002	1783-TD002

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Software Features	1783-NATR Network Address Translation Router	Stratix 4300 Remote Access Router	Stratix® 2000 Unmanaged Switch	Stratix® 2500 Lightly Managed Switch	Stratix® 5700 Managed Switch	Stratix® 5200 Managed Switch	Stratix® 5400 Managed Switch	Stratix® 5800 Managed Switch	Stratix® 5410 Distribution Switch
Cisco® IOS	—	—	—	—	Yes	Yes (IOS-XE)	Yes	Yes (IOS-XE)	Yes
Quality of Service (QoS)	Yes - On private port	—	—	Basic management for QoS	Yes - Select catalog numbers	Yes	Yes	Yes	Yes
Layer 3 Routing	—	Yes	—	—	—	—	Yes - Select catalog numbers	Yes - Select catalog numbers	Yes - Select catalog numbers
DLR (Device Level Ring)	Yes	—	—	—	Yes (single ring) - Select catalog numbers	Yes, 1 or 2 rings	Yes, 3 rings	Yes, 3 rings - Select catalog numbers	—
DHCP DLR	—	—	—	—	Yes	Yes	Yes	Yes	—
STP/RSTP	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
SNMP Support	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Etherchannels	—	—	—	Yes	Yes - Select catalog numbers	Yes	Yes	Yes	Yes
REP (Resilient Ethernet Protocol)	—	—	—	—	Yes	Yes	Yes	Yes	Yes
CIP Sync™ (IEEE 1588)	Yes - Pass through***	—	Yes - Pass through***	Yes - Pass through***	Yes - Select catalog numbers	Yes - Select catalog numbers	Yes	Yes	Yes
Static and InterVLAN Routing	—	—	—	—	Yes - Select catalog numbers	Yes	Yes	Yes	Yes
VLANs	—	—	—	Yes with trunking	Yes with trunking	Yes with trunking	Yes with trunking	Yes with trunking	Yes with trunking
Network Address Translation (NAT)	Yes (up to 32)	Yes	—	—	Yes - Select catalog numbers	Yes - Select catalog numbers	Yes	Yes - Select catalog numbers	Yes
Flexlinks	—	—	—	—	Yes - Select catalog numbers	—	Yes	—	Yes
Parallel Redundancy Protocol	—	—	—	—	—	Yes - Select catalog numbers	Yes	Yes - Select catalog numbers	Yes
Port Thresholds/Storm Control	—	—	Yes - DIP Switch configurable	Yes	Yes - Select catalog numbers	Yes	Yes	Yes	Yes

*** CIP Sync Pass Through allows the CIP Sync data to 'pass through' the device however these products are not capable of operating as the Time Source Clock. (Port limitations may apply)

CIP SYNC (IEEE1588) is the ODVA implementation of the IEEE 1588 precision time protocol. This protocol allows very high precision clock synchronization across automation devices. CIP SYNC is an enabling technology for time-critical automation tasks such as accurate alarming for post-event diagnostics, precision motion and high precision first fault detection or sequence of events.

Cisco IOS (Internetwork Operating System) is the software operating system used on the majority of Cisco network routing and switch devices. Cisco IOS has a command line interface (CLI) that provides a very flexible configuration tool which is familiar to IT professionals. The Cisco Catalyst® switch architecture and feature set provides a set of robust features compatible with the Cisco IT enterprise environment.

DLR (Device Level Ring) Allows establishment of a resilient ring network at the device level without the need of external switching hardware. The fast network recovery rate makes the protocol ideal for real-time control applications. The DLR protocol is a standard protocol supported and maintained by ODVA.

EtherChannel is a port trunking technology. EtherChannel allows grouping several physical Ethernet ports to create one logical Ethernet port. Should a link fail, the EtherChannel technology will automatically redistribute traffic across the remaining links.

IGMP Snooping (Internet Group Management Protocol) constrains the flooding of multicast traffic by dynamically configuring switch ports so that multicast traffic is forwarded only to ports associated with a particular IP multicast group.

Layer 3 Routing allows the capability to route between VLANs and subnets. This feature includes static routing, dynamic routing, multicast routing, redundant routing and IPv6 routing.

Network Address Translation (NAT) provides 1:1 translations of IP addresses from one subnet to another. Can be used to integrate machines into an existing network architecture.

Quality of Service (QoS) is the ability to provide different priority to different applications, users, or data flows, to help provide a higher level of determinism on your network.

REP (Resilient Ethernet Protocol) A ring protocol that allows switches to be connected in a ring, ring segment or nested ring segments. REP provides network resiliency across switches with a rapid recovery time ideal for industrial automation applications.

Smartports provide a set of configurations to optimize port settings for common devices like automation devices, switches, routers, PCs and wireless devices. Smartports can also be customized for specific needs.










SNMP Simple Network Management Protocol (SNMP) is a management protocol typically used by IT to help monitor and configure network-attached devices.

Static and InterVLAN Routing bridges the gap between layer 2 and layer 3 routing providing limited static and connected routes across VLANs.

STP/RSTP Spanning Tree Protocol, is a feature that provides a resilient path between switches. Used for applications that requires a fault tolerant network.










VLANs with Trunking is a feature that allows you to group devices with a common set of requirements into network segments. VLANs can be used to provide scalability, security and management to your network.

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Security Features									
Port Control in Logix	—	Yes	—	Yes	Yes	Yes	Yes	Yes	Yes
Port Security	—	Yes	—	Yes	Yes - Select catalog numbers	Yes	Yes	Yes	Yes
Access Control Lists (ACL)	—	—	—	—	Yes - Select catalog numbers	Yes - Select catalog numbers	Yes	Yes	Yes
IEEE 802.1x Security	—	—	—	—	Yes	Yes	Yes	Yes	Yes
Stateful Inspection Firewall - Zone-Based Firewall (ZFW)	—	Yes	—	—	—	—	—	—	—
VPN-IPsec	—	Yes	—	—	—	—	—	—	—
Centralized Authentication Capable (RADIUS, TACACS+)	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
NetFlow	—	—	—	—	—	—	Yes	Yes - Select catalog numbers	Yes
62443-4-2 Certification	—	—	—	—	—	Planned	—	Planned	—
Trustsec	—	—	—	—	—	—	—	Yes - Select catalog numbers	—

Access Control Lists allow you to filter network traffic. This can be used to selectively block types of traffic to provide traffic flow control or provide a basic level of security for accessing your network.

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Configuration & Troubleshooting Features									
Device Manager	–	–	–	Yes	Yes	–	Yes	–	Yes
WebUI	–	–	–	–	–	Yes	–	Yes	–
Command Line Interface	–	–	–	Yes - debug only	Yes	Yes	Yes	Yes	Yes
AOP (CIP™)	Yes - EDS AOP	–	–	Yes	Yes	Yes	Yes	Yes	Yes
SmartPorts	–	–	–	Yes	Yes	Yes	Yes	Yes	Yes
Real-time Diagnostics	Yes - EDS AOP	Yes	–	Yes	Yes	Yes	Yes	Yes	Yes
Faceplates	–	–	–	Yes	Yes	Yes	Yes	Yes	Yes
SD Card	Yes	–	–	–	Yes - Sold separately	Yes - Sold separately	Yes	Yes - Sold separately	Yes
DHCP per port	–	–	–	Yes	Yes	Yes	Yes	Yes	Yes
Broken wire detection	–	–	–	Yes	Yes	Yes	Yes	Yes	Yes
Cisco Cybervision								Yes - Select catalog numbers	

DHCP per port allows you to assign a specific IP address to each port, ensuring that the device attached to a given port will get the same IP address. This feature allows for device replacement without having to manually configure IP addresses.

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