

Stratix 6000 Fixed Managed Switch to the Stratix 2500 Lightly Managed or Stratix 5700 Managed Switch

Why Upgrade or Migrate

While the Allen-Bradley Stratix® 6000 Fixed Managed Switch has been a valuable part of our portfolio, this product will no longer be available for sale after May 31, 2019*. Now is the time to migrate to the Stratix 2500 Lightly Managed or Stratix 5700 Managed Switch.

As the latest Stratix offering in this product range, the Stratix 2500 and Stratix 5700 switch offer many new features designed to improve network performance.

Features and Benefits

Stratix 2500 Lightly Managed Switch

- Virtual LAN (VLAN) with trunking
- EtherChannel capability
- Smartport configuration
- TACACS+/RADIUS Authentication (version 2.001 and later)

Stratix 5700 Lite Managed Switch

- Virtual LAN (VLAN) with trunking
- Smartport configuration
- TACACS+/RADIUS Authentication
- SD card slot
- 1 G Copper/SFP port

** Discontinued date may be subject to change.*

Note: This migration guide only lists all the replacement catalog numbers that were available for the old Stratix 6000 Fixed Managed Switch.

For information on additional Stratix 2500 Lightly Managed or Stratix 5700 Managed switch configurations refer to publications [ENET-PP014A-EN-P](#) and [ENET-PP005F-EN-E](#).



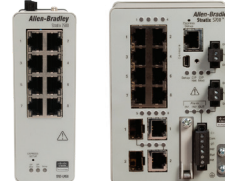
1783-EMS04T



1783-EMS08T



1783-LMS5 or 1783-BMS06TL



1783-LMS8 or 1783-BMS10CGL

Identify, Mitigate and Help Eliminate the Risk of Automation Obsolescence

In today's economy, it is necessary to have migration solutions that help you to achieve increased productivity and lessen your risk of maintaining your legacy equipment. You need to work with a supplier that has the product, service and industry knowledge to partner with you on an upgrade strategy that will help you maximize your competitive advantage.

Rockwell Automation and its partners will work with you to outline a plan that fits your application needs and long-term goals. We can help you migrate all at once or in phases, at the pace that is comfortable for you and fits your budget.

With your goals in mind, Rockwell Automation has developed a migration strategy that will allow you to quickly and easily migrate from the Stratix 6000 Fixed Managed Switch to the Stratix 2500 Lightly Managed or Stratix 5700 Managed Switch.

Product Lifecycle

Use the [Product Lifecycle Status](#) search tool on the web to find specific lifecycle information by catalog number.



- **ACTIVE:** Most current offering within a product category.
- **ACTIVE MATURE:** Product is fully supported, but a newer product or family exists. Gain value by migrating.
- **END OF LIFE:** Discontinued date announced – actively execute migrations and last time buys. Product generally orderable until the discontinued date.¹
- **DISCONTINUED:** New product no longer manufactured or procured.² Repair/exchange services may be available.

¹ Outages on specific items may occur prior to the Discontinued date.

² Limited stock may be available in run-out mode, regionally.

1783-EMS04T compared to the 1783-LMS5 or 1783-BMS06TL



1783-EMS04T



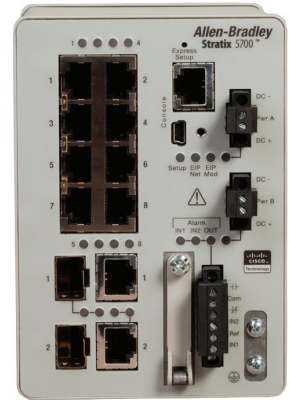
1783-LMS5 or 1783-BMS06TL

Features	Stratix 6000 1783-EMS04T	Stratix 2500 1783-LMS5	Stratix 5700 Lite 1783-BMS06TL
FastEthernet Ports (10/100 Mbps)	5	5	4
Gigabit Ports			2
Quality of Service (QoS)	✓	✓	
MAC ID Port Security	✓	✓	
DHCP Per Port	✓	✓	✓
Port Mirroring	✓	✓	✓
SNMP Support	✓	✓	✓
STP/RSTP	✓	✓	✓
IGMP Snooping and querier	✓	✓	✓
Virtual LAN (VLAN) with trunking		✓	✓
EtherChannel (Link Aggregation)		✓	
Smartports		✓	✓
TACACS+/RADIUS Authentication		✓	✓
SD card slot			✓

1783-EMS08T compared to the 1783-LMS8 or 1783-BMS10CGL



1783-EMS08T



1783-LMS8 or 1783-BMS10CGL

Features	Stratix 6000 1783-EMS08T	Stratix 2500 1783-LMS8	Stratix 5700 1783-BMS10CGL
FastEthernet Ports (10/100 Mbps)	8	8	8
Fiber	1		
Combo Ports			2
Quality of Service (QoS)	✓	✓	
MAC ID Port Security	✓	✓	
DHCP Per Port	✓	✓	✓
Port Mirroring	✓	✓	✓
SNMP Support	✓	✓	✓
STP/RSTP	✓	✓	✓
IGMP Snooping and querier	✓	✓	✓
Virtual LAN (VLAN) with trunking	✓	✓	✓
EtherChannel (Link Aggregation)		✓	✓
Smartports		✓	✓
TACACS+/RADIUS Authentication		✓	✓
SD card slot			✓

Note: Combo ports support either RJ45 or SFP. For additional information on SFP selection, please review the [Stratix Technical Data Sheet](#)

Technical Specifications

Attributes	Stratix 6000 1783-EMS04T	Stratix 2500 1783-LMS5	Stratix 5700 Lite 1783-BMS06TL
Alarm relay			1 A @ 30V DC or 0.5 A @ 48V DC
Power requirements	100 mA @ 24V DC (12...48 V DC) Class 2/SELV	12...24V DC, 0.3...0.2 A(SELV)	0.5...2.0 A max @ 12...48V DC Class 2/SELV
Power consumption		4.2 W	9.5 W @ 24V DC @ 40 °C (104 °F) 15 W max
Power dissipation	2.6 W	4.2 W	15 W
Network ports	4 RJ45 10/100 full/half duplex ports	5 ports copper 10/100 full/half duplex ports	6 ports copper 10/100 full/half duplex ports
Enclosure type rating	None (open-style)		
Isolation voltage	50V (continuous), basic insulation type, power to ground and power to network channels No isolation between individual network channels Routine tested at 707V AC for 1 s		50V (continuous), basic insulation type, DC power ports to ground, DC power ports to Ethernet ports, and DC power ports to alarm ports No isolation between individual Ethernet ports No isolation between console port and system Type tested at 850V DC for 60 s
Wire size, Ethernet connection	RJ45 connector according to IEC 60603-7, 2 or 4 pair Category 5e minimum cable according to TIA 568-B.1 or Category 5 cable according to ISO/IEC 24702		
Wire size, DC power connection	0.33...3.3 mm ² (22...12 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater, 1.2 mm (3/64 in.) insulation max	1.3...0.82 mm ² (16...18 AWG) solid or stranded copper wire rated at 30 °C (86 °F), or greater, above the surrounding air temperature	0.5...0.8 mm ² (20...18 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater, 1.2 mm (3/64 in.) insulation max, 6.3 mm (0.25 in.) ±0.5 mm (0.02 in.) strip length
Wire size, alarm connection			0.5...0.8 mm ² (20...18 AWG) solid or stranded, UL/CSA-rated style 1007 or 1569 twisted-pair copper appliance wiring material (AWM) wire, 6.3 mm (0.25 in.) ±0.5 mm (0.02 in.) strip length
Wire size, ground connection	3.3 mm ² (12 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater	5.2...3.3 mm ² (10...12 AWG) solid or stranded copper wire	4.0 mm ² (12 AWG) min, stranded copper wire
Terminal block torque	DC power and functional ground connections: 1.36 Nm (12 lb-in)		
Torque, power terminal screw		0.19 N•m (1.7 in•lb)	
Torque, functional ground lug screw		0.51 N•m (4.5 in•lb)	
Screw torque, power and alarm terminals			0.23 N•m (2.0 in•lb)
Screw torque, ground terminal, max			0.96 N•m (8.5 in•lb)
Wiring category	2 - on power ports 2 - on communication ports	2 - on power ports 2 - on communication ports	3 - on console and alarm ports 2 - on DC power ports 2 - on Ethernet ports
Weight, approx			1.11 kg (2.45 lb)
Pilot duty rating			Alarm not rated
Memory card			1784-SD1
Operating Temperature	0°C ... +60°C (+32°F ... +140°F)	-20°C ... +60°C (-4°F ... +140°F)	-40°C ... 60°C (-40°F ... +140°F)

Technical Specifications

Attributes	Stratix 6000 1783-EMS08T	Stratix 2500 1783-LMS8	Stratix 5700 Lite 1783-BMS10CGL
Alarm relay			1 A @ 30V DC or 0.5 A @ 48V DC
Power requirements	250 mA @ 24V DC (12...48V DC) Class 2/SELV	12...24V DC, 0.4...0.2 A (SELV)	0.5...2.0 A max @ 12...48V DC Class 2/SELV
Power consumption		5.3 W	12.5 W @ 24V DC/ 40 °C (104 °F) 17 W max
Power dissipation	5.8 W	5.3 W	17 W
Network ports	8 RJ45 10/100 full/half duplex ports, optional SFP transceiver port	8 ports copper 10/100 full/half duplex ports	8 ports copper 10/100 full/half duplex ports, 2 Combo Ports 10/100/1000 full/half duplex
Enclosure type rating	None (open-style)		
Isolation voltage	50V (continuous), basic insulation type, power to ground and power to network channels No isolation between individual network channels Routine tested at 707V AC for 1 s		50V (continuous), basic insulation type, DC power ports to ground, DC power ports to Ethernet ports, and DC power ports to alarm ports No isolation between individual Ethernet ports No isolation between console port and system Type tested at 850V DC for 60 s
Wire size, Ethernet connection	RJ45 connector according to IEC 60603-7, 2 or 4 pair Category 5e minimum cable according to TIA 568-B.1 or Category 5 cable according to ISO/IEC 24702		
Wire size, DC power connection	0.33...3.3 mm ² (22...12 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater, 1.2 mm (3/64 in.) insulation max	1.3...0.82 mm ² (16...18 AWG) solid or stranded copper wire rated at 30 °C (86 °F), or greater, above the surrounding air temperature	0.5...0.8 mm ² (20...18 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater, 1.2 mm (3/64 in.) insulation max, 6.3 mm (0.25 in.) ±0.5 mm (0.02 in.) strip length
Wire size, alarm connection			0.5...0.8 mm ² (20...18 AWG) solid or stranded, UL/CSA-rated style 1007 or 1569 twisted-pair copper appliance wiring material (AWM) wire, 6.3 mm (0.25 in.) ±0.5 mm (0.02 in.) strip length
Wire size, ground connection	3.3 mm ² (12 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater	5.2...3.3 mm ² (10...12 AWG) solid or stranded copper wire	4.0 mm ² (12 AWG) min, stranded copper wire
Terminal block torque	DC power and functional ground connections: 1.36 Nm (12 lb-in)		
Torque, power terminal screw		0.19 N•m (1.7 in•lb)	
Torque, functional ground lug screw		0.51 N•m (4.5 in•lb)	
Screw torque, power and alarm terminals			0.23 N•m (2.0 in•lb)
Screw torque, ground terminal, max			0.96 N•m (8.5 in•lb)
Fiber optic Ethernet data rate	1000 Mbps		(available in different models)
Fiber optic connecting mode	Full duplex		(available in different models)
Fiber optic connector type	LC		(available in different models)
Wiring category	2 - on power ports 2 - on communication ports	2 - on power ports 2 - on communication ports	3 - on console and alarm ports 2 - on DC power ports 2 - on Ethernet ports
Weight, approx			1.25 kg (2.75 lb)
Pilot duty rating			Alarm not rated
Memory card			1784-SD1
Operating Temperature	0°C ... +60°C (+32°F ... +140°F)	-20°C ... +60°C (-4°F ... +140°F)	-40°C ... 60°C (-40°F ... +140°F)

For additional information please reference these publications:
[Stratix Managed Switches User Manual](#) and [Stratix Ethernet Device Specifications](#)



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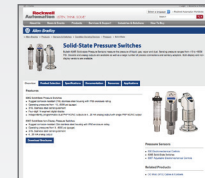
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Why Upgrade or Migrate

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