

ArmorStratix 5700 Industrial Ethernet Switch

Expanding the Stratix Portfolio to the On-Machine Space for Connectivity in Harsh Environments

Features and Benefits

As part of an On-Machine system, the ArmorStratix 5700 is IP67-rated for extreme environments placing the industrial switch closer to the application.

Advanced Features

- Integrated Device Level Ring (DLR) connectivity helps optimize the network architecture and provide consolidated network diagnostics
- Integrated Network Address Translation (NAT) provides 1:1 IP address mapping helping to reduce commissioning time
- Power over Ethernet (PoE) versions provide power to devices over Ethernet minimizing cabling
- Security features, including access control lists, help ensure that only authorized devices, users and traffic can access the network
- Secure Digital (SD) card provides simplified device replacement

Optimized integration

- Studio 5000® Add-on Profiles (AOPs) enable premier integration into the Rockwell Automation Integrated Architecture® system
- Predefined Logix tags for monitoring and port control
- FactoryTalk® View faceplates enable status monitoring and alarming
- Built-in Cisco® Internet Operating System (IOS) helps provide secure integration with enterprise network



Getting the full value out of your network is critical, especially in industrial applications where harsh conditions and complex wiring systems are typically present.

To address these challenges Rockwell Automation introduces the Allen-Bradley® ArmorStratix™ 5700 to its existing line of industrial Ethernet switches providing a dependable, rugged solution for networks in extreme environments. IP67-rated for dust and washdown protection, this layer 2 managed switch is ideal for operations where widely distributed applications are required.

Expanding the Stratix™ portfolio to include “On-Machine™” capabilities provides connectivity to the network outside of the cabinet, which minimizes cabling and hardware associated with traditional systems. The ArmorStratix 5700 panel mount design demonstrates versatility that is considerate of your limited cabinet space.

Providing integration with the enterprise network using Cisco Internet Operating System (IOS), the ArmorStratix 5700 also offers support for up to 24 ports, Power-over-Ethernet (PoE), and Network Address Translation (NAT) capabilities. Shipping with a default configuration, this device is optimized for industrial automation applications. For simplified support during device replacement, a built-in SD card backup is included, storing details for easy change out.

By moving the industrial controls and hardware closer to your application, installation complexity and cost can be reduced for a more economical solution.

Enhancing the On-Machine Portfolio



ArmorStratix 5700 Configuration Options

The full-featured ArmorStratix 5700 offers seven catalog numbers to meet your industrial automation application needs.

ArmorStratix 5700		Configurations								
Catalog Item	Description	Total Ports	Copper (M12 D-code) Ports	Copper (M12 X-code) Ports	PoE Ports	FW Type	1588	HW Output Alarm	DLR	NAT
1783-ZMS8TA	ArmorStratix 5700, 8 copper 10/100 ports, full FW	8	8 FE	0	No	Full	No	No	No	No
1783-ZMS16TA	ArmorStratix 5700, 16 copper 10/100 ports, full FW	16	16 FE	0	No	Full	No	No	No	No
1783-ZMS24TA	ArmorStratix 5700, 24 copper 10/100 ports, full FW	24	24 FE	0	No	Full	No	No	No	No
1783-ZMS4T4E2TGP	ArmorStratix 5700, 4 copper 10/100 ports, 4 PoE 10/100 ports, 2 copper 10/100/1000 ports, Full FW, 1588 PTP	10	4 FE	2 GE	4 FE	Full	Yes	Yes	Yes	No
1783-ZMS8T8E2TGP	ArmorStratix 5700, 8 copper 10/100 ports, 8 PoE 10/100 ports, 2 copper 10/100/1000 ports, Full FW, 1588 PTP	18	8 FE	2 GE	8 FE	Full	Yes	Yes	Yes	No
1783-ZMS4T4E2TGN	ArmorStratix 5700, 4 copper 10/100 ports, 4 PoE 10/100 ports, 2 copper 10/100/1000 ports, Full FW, 1588 PTP, NAT	10	4 FE	2 GE	4 FE	Full	Yes	Yes	Yes	Yes
1783-ZMS8T8E2TGN	ArmorStratix 5700, 8 copper 10/100 ports, 8 PoE 10/100 ports, 2 copper 10/100/1000 ports, Full FW, 1588 PTP, NAT	18	8 FE	2 GE	8 FE	Full	Yes	Yes	Yes	Yes

Additional Information <http://ab.rockwellautomation.com/Networks-and-Communications/ArmorStratix-5700-Ethernet-Switches>

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