

LISTEN.
THINK.
SOLVE.®

PRODUCT PROFILE

Stratix 8000™ and Industrial Infrastructure

Rockwell Automation and Cisco Working Together

Increased business pressures and wide deployment of Ethernet on the plant floor as well as across the enterprise, is changing manufacturing environments. Manufacturers need valuable data and the business agility to deliver to ever changing needs, and are turning to their IT and automation engineering professionals to make it happen.

Plant engineers and IT professionals have discovered the values associated with working together and sharing their best practices. The most successful are integrating control and information to streamline processes and supplying access to better information to help improve productivity. To compete in today's global manufacturing environment, both organizations are increasingly striving to integrate their networks, people and processes.

To encourage and support this network convergence, Rockwell Automation and Cisco are collaborating to provide advice, tools, and resources. The most significant are Reference Architectures for Manufacturing and other design guidance, educational webcasts, and the Stratix 8000™ industrial Ethernet switch line.

Kevin Seeley, ITS Manager at Kimberly-Clark Corporation believes "the partnership between Rockwell Automation and Cisco Systems is the first step in helping address needed industry standards and best practices. Their reference architecture model is a foundational building block for delivering security and reliability for the interconnected manufacturing and corporate systems worlds. Companies will be looking to Rockwell Automation and Cisco Systems over the coming months to continue the momentum in developing and leading the market in establishing a common set of standards and best practices for the manufacturing infrastructure environment."



Deployment of Ethernet on the plant floor and across the enterprise, combined with increasing business pressures, has encouraged network convergence as well as organizational and cultural convergence of IT and manufacturing organizations.

Ethernet, in particular, has delivered significant benefits for manufacturers. EtherNet/IP, which is standard Ethernet, allows users to effectively manage real-time control and information flow throughout the manufacturing and IT enterprise. EtherNet/IP (using the Common Industrial Protocol) allows networks, including Motion and Safety, to communicate seamlessly on the factory floor along with other common sets of IT capabilities like voice, video, and data.

The Rockwell Automation Stratix 8000 industrial Ethernet switch line with Cisco technology is the first of its kind. This modular managed switch line uses the current Cisco Catalyst® switch architecture and feature set, along with powerful configuration tools, helping to provide secure integration with the enterprise network using tools familiar to IT professionals. At the same time, it allows for easy setup and diagnostics from within the Rockwell Automation Integrated Architecture™ using tools familiar to manufacturing professionals.

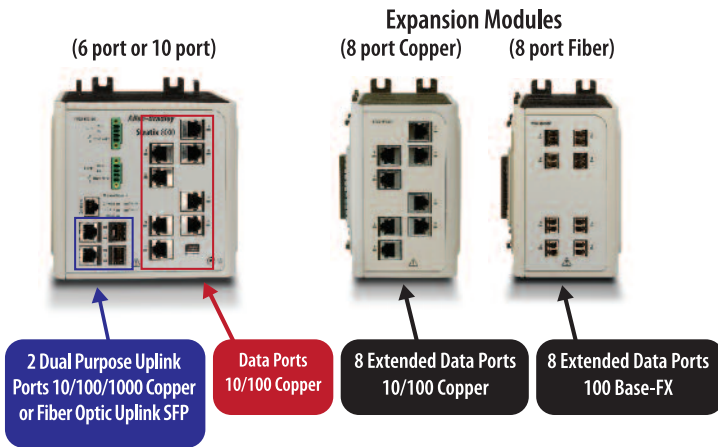


Stratix 8000

Hardware Options

Highlights

Optimized For



Allen-Bradley

Best of Cisco

- Secure integration with enterprise network
- Cisco internet operating system (IOS®)
- Cisco Catalyst® switch architecture/feature set
- Common configuration tools; command line interface (CLI), CNA and Device Manager

Best of Rockwell Automation

- CIP interface to Integrated Architecture
- RSLogix 5000 for configuration (AOP)
- Predefined Logix tags for diagnostics
- FactoryTalk View Faceplates for status monitoring and alarming

Best for the Manufacturing Environment

- Removable CompactFlash stores configuration for easy device replacement
- Industrial environmental ratings
- Default configurations for industrial automation and EtherNet/IP devices (Globals and Smartports)

- Enterprise integration
- Management and diagnostics from within both IT and controls environment
- High network performance and throughput

Stratix 8000 Specifications		Operating Temp.	Dimensions	Power Requirements
Base Modules				
1783-MS06T	6 port managed switch base unit	-20 to 60°C	147mm H 152mm W 112mm D	24V/48 VDC
1783-MS10T	10 port managed switch base unit	-20 to 60°C	147mm H 152mm W 112mm D	24V/48 VDC
Expansion Modules				
1783-MX08T	8 port copper expansion module	-20 to 60°C	147mm H 97mm W 112mm D	24V/48 VDC
1783-MX08F	8 port fiber expansion module	-20 to 60°C	147mm H 97mm W 112mm D	24V/48 VDC
Fiber Optic Uplink (SFP)				
1783-SFP100FX	100 Base-FX Multimode Transceiver			
1783-SFP100LX	100 Base-LX Singlemode Transceiver			
1783-SFP1GSX	1000 Base-SX Multimode Transceiver			
1783-SFP1GLX	1000 Base-LX Singlemode Transceiver			

For more information, please visit our website www.ab.com/networks/switches

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