



New Industrial Ethernet Switch Product Line

- ▶ Rugged, Compact and Sleek Design
- ▶ “Hardened” for Demanding Environments
- ▶ Fully Featured Ethernet Switch
- ▶ Fiber Ports and Serial Options Available

i-Series, RuggedSwitch® i800 Product Family

New Ethernet Switch Product Line Targeting Industrial Process Control Applications

Products



i800

8 Port Ethernet Switch – Copper Only

- 8 x 10/100Tx Copper Ports
- fixed configuration
- no fiber



i801

9 Port Ethernet Switch with Gigabit Uplink

- 8 x 10/100Tx Copper Ports
- additional 1 x 1000LX or 1 x 10/100/1000Tx Gigabit Ethernet Ports
- Multimode or Singlemode Fiber
- LC Fiber Connector



i802

7 or 8 Port Ethernet Switch with Copper, Fiber, and Gigabit Options

- 6 x 10/100Tx Copper Ports
- additional 1 x 100FX or 2 x 100FX or 2 x 1000LX or 2 x 10/100/1000Tx Ethernet Ports
- Multimode or Singlemode Fiber
- LC Fiber Connector



i803

8 Port Ethernet Switch with Copper, Fiber, and Gigabit Options

- 4 x 10/100Tx Copper Ports
- additional 1 x 100FX and 2 x 1000LX or 2 x 100FX Ethernet Fiber Ports
- Multimode or Singlemode Fiber
- LC Fiber Connector

Common Product Features

Cyber Security Features

- Multi-level user passwords
- SSH/SSL encryption
- Enable/disable ports, MAC based port security
- Port based network access control (802.1x)
- VLAN (802.1Q) to segregate and secure network traffic
- RADIUS centralized password management
- SNMPv3 encrypted authentication and access security

RuggedRated™ for Reliability in Harsh Environments

- Immunity to EMI and heavy electrical surges
 - Exceeds IEC 61000-6-2 (generic industrial)
- Hazardous Location Certification: Class 1 Division 2
- -20 to +60°C operating temperature (optional -40 to +85°C)
- Conformal coated printed circuit boards (optional)
- Die cast aluminum enclosure

Rugged Operating System (ROS®) Features

- Simple plug and play operation - automatic learning, negotiation, and crossover detection
- RSTP (802.1w) and Enhanced Rapid Spanning Tree (eRSTP™) network fault recovery (<5ms)
- Quality of Service (802.1p) for real-time traffic
- VLAN (802.1Q) with double tagging and GVRP support
- Link aggregation (802.3ad)
- IGMP Snooping for multicast filtering
- Port Rate Limiting and Broadcast Storm Limiting
- Port configuration, status, statistics, mirroring, security
- Industrial automation features (eg. Modbus)

Management Tools

- Web-based, Telnet, CLI management interfaces
- SNMP v1/v2/v3
- Remote Monitoring (RMON)
- Rich set of diagnostics with logging and alarms

Power Supply

- Dual low-voltage DC inputs: 24VDC (9-36VDC)
- Compression fit connections
- CSA/UL 60950 safety approved to +85°C

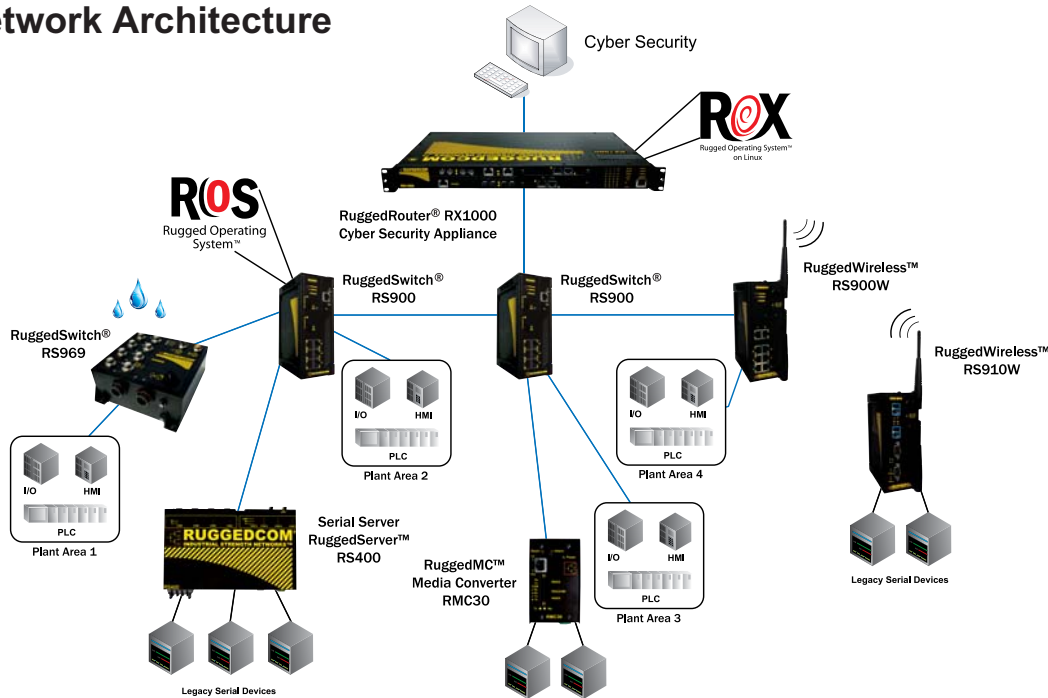
Look for more product information on our website: www.RuggedCom.com



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Typical Network Architecture



Order Codes

i 800 - -
 M T

i 801 - - -
 M T P9

i 802 - - -
 M T P78

i 803 - - - -
 M T P5 P6P7

M: Management Option

- M = MANAGED WITH ROS
- U = UNMANAGED

T: Temperature Option

- T = -20 TO +60°C
- U = -40 TO +85°C

P9: *i* 801 Port 9 Options

- 1CG01 = 10/100/1000Base Tx
- 1FG01 = 1000SX Multimode LC 850nm, 500m
- 1FG03 = 1000LX Singlemode LC 1310nm, 10km

P78: *i* 802 Port 7&8 100FX Fiber Optic Options

- 1FX11 = 1x 100FX Multimode LC 1310nm
- 1FX06 = 1x 100FX Singlemode LC 1310nm, 20km
- FX11 = 2x 100FX Multimode LC 1310nm
- FX06 = 2x 100FX Singlemode LC 1310nm, 20km
- FG01 = 2x 1000SX Multimode LC 850nm, 500m
- FG03 = 2x 1000LX Singlemode LC 1310nm, 10km
- CG01* = 2x 10/100/1000TX

P5: *i* 803 Port 5 100FX Fiber Optic Options

- 1FX11 = 1x 100FX Multimode LC 1310nm
- 1FX06 = 1x 100FX Singlemode LC 1310nm, 20km

P6P7: *i* 803 Port 6&7 Fiber Optic Options

- FX11 = 2x 100FX Multimode LC 1310nm
- FX06 = 2x 100FX Singlemode LC 1310nm, 20km
- FG01 = 2x 1000SX Multimode LC 850nm, 500m
- FG03 = 2x 1000LX Singlemode LC 1310nm, 10km

*Consult factory for availability