7.2. Product Showcase

☑ Unmanaged Ethernet Switches

5-port 10/100 Base-TX

The NS-205 series has 5 Ethernet Switching ports that support 10/100 Base-TX, with a 10/100M auto negotiation feature and auto MDI/MDI-X function.

NS-205 CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Store-and-forward architecture
- Supports +10 V$_{DC}$ ~ +30 V$_{DC}$ Reverse Polarity Protection
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail

5-port 10/100/1000 Base-T

The NS-205G is 5-port unmanaged gigabit switch that support 10/100/1000 Base-T, with a 10/100/1000M auto negotiation feature and auto MDI/MDI-X function. It can connect 5 workstations and automatically switch the transmission speed (10 Mbps or 100 Mbps or 1000 Mbps) for corresponding connections.

NEW
NS-205G CR

- Power saving Technology
- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports 10/100 and 1000 Mbps speed auto negotiation
- Store-and-forward architecture
- 10 Gbps high performance memory bandwidth
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Power Inputs +10 V$_{DC}$ ~ +30 V$_{DC}$
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail

4-port PoE and 1 RJ-45 Uplink

The NS-205PSE is a 5-port unmanaged PoE (Power over Ethernet) Industrial Ethernet Switch, it supports 4-PoE Port which are classified as power source equipments (PSE).

NEW
NS-205PSE CR

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Power Inputs +46 V$_{DC}$ ~ +55 V$_{DC}$
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail
- IEEE 802.3af compliant PoE ports
  4-PoE Port with power sourcing equipment (PSE) operation
  Auto-detection of PD (powered devices) and automatic power management over-temperature, over-current and over/under-voltage detection

8-port 10/100 Base-TX

The NS-208/NSM-108 series has 8 Ethernet Switching ports that support 10/100 Base-TX, with a 10/100M auto negotiation feature and auto MDI/MDI-X function.

NS-208 CR NSM-108 CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 2 Gbps high performance memory bandwidth
- Power Inputs +10 V$_{DC}$ ~ +30 V$_{DC}$
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail

8-port 10/100/100 Base-T

The NS-208G/NSM-208G series has 8 Ethernet Switching ports that support 10/100/1000 Base-T, with a 10/100/1000M auto negotiation feature and auto MDI/MDI-X function. It can connect 8 workstations and automatically switches the transmission speed (10 Mbps or 100 Mbps or 1000 Mbps) for corresponding connections.

NEW
NS(M)-208G CR NS(M)-208AG CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports 10/100 and 1000 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 16 Gbps high performance memory bandwidth
- Supports +10 V$_{DC}$ ~ +30 V$_{DC}$ for NS-208G and NSM-208G
- Supports +10 V$_{DC}$ ~ +30 V$_{DC}$ for NS-208AG and NSM-208AG
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail

4-port 10/100 Base-TX and 100 Base-FX Fiber

The NS-205F/NSM-205F series is a Unmanaged 4-port Industrial Ethernet (10/100 Base-TX) to Fiber Port (100 Base-FX) switch that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference.

NS(M)-205F CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Frame buffer memory: 512 Kbit
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Supports +10 V$_{DC}$ ~ +30 V$_{DC}$
- Operating temperature range: 0 °C ~ +70 °C

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Ethernet Switches

4-port 10/100 Base-TX and Dual 100 Base-FX Fiber

The NS-206F/NSM-206F series is a Unmanaged 4-port Industrial 10/100 Base-TX and Dual 100 Base-FX Switch that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference.

NS(M)-206F CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 1.6 Gbps high performance memory bandwidth
- Frame buffer memory: 256 Kbit
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Supports +10 V_{DC} ~ +30 V_{DC}
- Operating temperature range: 0 °C ~ +70 °C
- Din-Rail

8-port 10/100 Base-TX and 100 Base-FX Fiber

The NS-209F/NSM-209F series is a Unmanaged 8-port Industrial 10/100 Base-TX and one 100 Base-FX Switch that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference.

NEW
NS-209F CR Series
Available soon
NSM-209F CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 2 Gbps high performance memory bandwidth
- Integrated look-up engine with dedicated 2048 unicast MAC addresses
- Supports +12 V_{DC} ~ +48 V_{DC}
- Operating temperature range: 0 °C ~ +70 °C
- DIN-Rail

5-port 10/100 Base-TX with IP67 Casing

NS-205-IP67 Ethernet switch are designed for use in industrial waterproof/harsh environments.

NEW
NS-205-IP67 CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 1.4 Gbps high performance memory bandwidth
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Supports +10 VDC ~ +30 VDC with 1 kV isolation Reverse Polarity Protection
- Plastic casing with IP67
- Operating temperature range: -10 °C ~ +60 °C
- Din-Rail

② Product Showcase

✓ Managed Ethernet Switches

5-port Real-time Redundant Ring Switch

The RS-405/RSM-405 series is a 5-port Industrial Ethernet (10/100 Base-TX) Real-Time Redundant Ring Switch.

NEW
RS(M)-405 CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Frame buffer memory: 1 Mbit
- Integrated look-up engine with dedicated 2048 unicast MAC addresses
- Redundant Power Inputs +10 V_{DC} ~ +30 V_{DC}
  Power failure alarm by relay output
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail

5-port Real-time Redundant Ring Switch with 2-Fiber Port

The RS-405F/RSM-405F series is a 5-port Industrial Ethernet Real-Time Redundant Ring Switch with 2-Fiber Port that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference.

NEW
RS(M)-405F CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Frame buffer memory: 512 Kbit
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Redundant Power Inputs +10 V_{DC} ~ +30 V_{DC}
  Power failure alarm by relay output
- Operating temperature range: 0 °C ~ +70 °C

8-port Real-time Redundant Ring Switch

The RS-408/RSM-408 series is an 8-port Industrial Ethernet (10/100 Base-TX) Real-Time Redundant Ring Switch.

NEW
RS(M)-408 CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Frame buffer memory: 1 Mbit
- Integrated look-up engine with dedicated 2048 unicast MAC addresses
- Redundant Power Inputs +10 V_{DC} ~ +30 V_{DC}
  Power failure alarm by relay output
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail

8-port Industrial Ethernet Layer 2 Managed Switch

The MSM-508 is an 8-port Industrial Ethernet (10/100 Base-TX) Layer 2 Managed Switch. MSM-508 supports 10/100M auto negotiation feature and auto MDI/MDI-X function.

NEW
MSM-508 CR

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Frame buffer memory: 1 Mbit
- Integrated look-up engine with dedicated 2048 unicast MAC addresses
- Supports +12 V_{DC} ~ +48 V_{DC}
  Power failure alarm by relay output
- Operating temperature range: -40 °C ~ +75 °C
- DIN-Rail mount and Screw hole for wall mounting kit

8-port Industrial Ethernet Layer 2 Managed Switch with 2-Fiber Port

The MSM-508F series is an 8-port Industrial Ethernet Layer 2 Managed Switch with 2-Fiber Port that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference.

NEW
MSM-508F CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports 10/100 and 1000 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth
- Frame buffer memory: 1 Mbit
- Integrated look-up engine with dedicated 2048 unicast MAC addresses
- Supports +12 V_{DC} ~ +48 V_{DC}
  Power failure alarm by relay output
- Operating temperature range: 0 °C ~ +70 °C
- DIN-Rail mount and Screw hole for wall mounting kit

② Product Showcase

7

✓ Media Converters

10/100 Base-TX to 100 Base-FX

The NS-200F series is a Ethernet (10/100 Base-TX) to Media (100 Base-FX) converter. The Ethernet supports 10/100M auto negotiation feature and auto MDI/MDI-X function.

NS-200F CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x flow control
- 1.4 Gbps high performance memory bandwidth
- Frame buffer memory: 256 Kbit
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Supports +10 V_{DC} ~ +30 V_{DC} Reverse Polarity Protection
- Operating temperature range: 0 °C ~ +70 °C
- DIN-Rail

1000 Base-T to 1000 Base-SX/LX

The NS-200G series provides one RJ-45 auto sensing 10/100/1000 Base-T port and one 1000 Base-SX/LX SFP port. The RJ-45 port is full/half duplex capable.

Available soon

NS-200G CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- Full duplex IEEE 802.3x
- Supports +12 V_{DC} ~ +48 V_{DC} Reverse Polarity Protection
- Operating temperature range: 0 °C ~ +70 °C
- DIN-Rail

Single-Strand 10/100 Base-TX to 100 Base-FX

Using the fiber optic medium for Ethernet applications has become more popular due to fiber optic's excellent physical features, especially for long distance networks.

NS-200WDM CR Series

- Automatic MDI/MDI-X crossover for plug-and-play
- Supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 1.4 Gbps high performance memory bandwidth
- Integrated look-up engine with dedicated 1024 unicast MAC addresses
- Supports +12 V_{DC} ~ +48 V_{DC} Reverse Polarity Protection
- Operating temperature range: 0 °C ~ +70 °C
- DIN-Rail

②