



## BCS308-1F Unmanaged Industrial Ethernet Switch

### Ordering information

Model	Descriptions
BCS308-1FMM	8-port Industrial Ethernet Switch unmanaged 1-port 100Base-FX Multimode fiber ports 2Km. and 7 TP(RJ45) support 10/100Base-T(X)
BCS308-1FSM	8-port Industrial Ethernet Switch unmanaged 1-port 100Base-FX Singlemode fiber ports 20Km. and 7 TP(RJ45) support 10/100Base-T(X)



### Product Descriptions

#### Introduction:

BCS308-1F series are a smart plug-and-play industrial Ethernet switch, which can provide economical solution for your Ethernet. Its dustproof fully sealed structure (protective case of IP30 level), over-current, over-voltage and EMC protected redundant double power input as well as built-in intelligent alarm design can help system main tenancy personnel monitor the network operation, which can work reliably in harsh and dangerous environment.

BCS308-1F support 7 TP ports and 1 optic port, TP(RJ45) Support 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection. 100BaseFX ports supports single/multi mode, SC/ST connector, optional.

#### Features:

1. Advanced Ethernet switch technical
2. IEEE802.3/802.3u/802.3x/802.3d, store and forward
3. Plug-and-play, 10/100M, F/H duplex, MDI/MDI-X auto negotiation
4. Broadcast storm protection
5. Relay output warning for power failure and port break alarm
6. Redundant 24VDC power input(12V~36VDC)
7. -40~75°C working temperature
8. Designed for industrial applications. IP30 protection, rugged high-strength metal case

#### Technology

Standard: IEEE802.3, IEEE802.3x, IEEE802.3u  
Forwarding and Filtrate Rate: 148810pps  
Processing type: Store and Forward  
System exchange bandwidth: 4.8G  
Relay  
Max voltage: DC30V  
Max power input: 24VA

#### Power

Input Voltage: 24VDC (12VDC~36VDC)  
Overload Current Protection  
Support dual power backup

#### Mechanical

Dimensions: 136mm×52mm×105mm (H×W×D)  
Casing: IP30 protection, Metal case  
Weight: 800g

#### Environmental

Operating Temperature: -40 to 75°C  
Storage Temperature: -45 to 85 °C  
Ambient Relative Humidity: 10% to 95% (non-condensing)

#### Approvals

EMI: FCC Part 15, CISPR (EN55022) class A  
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EMS: EN61000-4-2 (ESD), Level 4  
EN61000-4-3 (RS), Level 3  
EN61000-4-4 (EFT), Level 4  
EN61000-4-5 (Surge), Level 4  
EN61000-4-6 (CS), Level 3  
EN61000-4-8, Level 5  
Shock: IEC 60068-2-27  
Free Fall: IEC 60068-2-32  
Vibration: IEC 60068-2-6  
Approvals: FCC, CE, RoHS approvals

### Product Standard

#### Specification:

##### Interface

RJ45 Ports: 10/100BaseT(X) auto connection, F /H duplex or force work mode, and support MDI/MDI-X connection  
Fiber Port: 100BaseFX ports (SC/ST connector, optional)  
Single-mode: 20, 40,60, 80, 120Km, optional  
Multi-mode: 2,5Km, optional  
Wavelength: 850nm, 1310 nm, 1550nm  
Alarm output interface: One relay alarm output. Support power, port link and network alarm  
Indicator: Power, Port link, abnormity alarm indication, 10M/100M Rate