



BCS608-2F Managed Industrial Ethernet Switch

Ordering information

Model	Descriptions
BCS608-2FM	8-port Industrial Ethernet Switch managed, SW-Ring 2-port 100Base-FX Multimode fiber ports 2Km. and 6 TP(RJ45) support 10/100Base-T(X)
BCS608-2FS	8-port Industrial Ethernet Switch managed, SW-Ring 2-port 100Base-FX Singlemode fiber ports 20Km. and 6 TP(RJ45) support 10/100Base-T(X)



Product Descriptions

Introduction:

BCS608-2F series are a type of plug-and-play industrial managed redundant Ethernet switch, which supports 6 X 10/100Base-T(x) + 2 X 100Base-FX ports. The 7 and 8 ports are used to establish SW-Ring for the purpose accomplishing redundancy for Ethernet ring network (self-recovery time <20ms) to enhance the reliability of the network.

Furthermore, BCS608-2F series can also support numerous intelligent network management functions, including QoS, VLAN, Port Trunking, velocity configuration and alarm enabling functions. To satisfy applications in different industrial environments, BCS608-2F series can also provide wide temperature type in accommodation with limit temperature (-40 ~ 75°C).

Features:

1. Store and forward. 8k address. Support MAC address filtrate struction
2. SW-Ring (recovery time < 20 ms at full load)
3. Port-based VLAN, IEEE 802.1Q VLAN to ease network planning
4. Port Trunking for optimum bandwidth utilization
5. Lock port function for blocking unauthorized access based on MAC address
6. Port mirroring for online debugging
7. Bandwidth management prevents unpredictable network status
8. Dual power backup, Relay output warning for power failure and port break alarm
9. Port link, ring fault/abnormity alarm indication
10. IP 30 protection, rugged high-strength metal case
11. Redundant 24VDC power input (12V~36VDC) Operating
12. DIN-Rail or panel mounting ability

Alarm output interface: One relay alarm output. Support power, port link and ring network alarm.

Indicator: Port link, ring fault/abnormity alarm indication 10M/100M Rate, run indication

Technology

Standards: IEEE802.3 for 10BaseT, IEEE802.3x for Flow Control, IEEE802.3u for 100BaseTX and 100BaseFX, IEEE802.1Q for VLAN Tagging, IEEE802.1p for Class of Service

Transmit Rate: 148810pps

Max Rate of Filtrate: 148810pps

Processing Type: Store and Forward

System exchange bandwidth: 4.8G

Support 8K MAC address

Port-Based VLAN

Relay

Max voltage: DC30V

Max current input: 1A

Power

Input Voltage: 24VDC (12VDC~36DC)

Overload Current Protection

Support dual power backup

Support dual power alarm input

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)

Product Standard

Specification:

Interface

RJ45 Ports: 10/100BaseT(X) auto connection, Full /Half duplex or force work mode, and support MDI/MDI-X connection

Fiber Ports: 100BaseFX ports (SC/ST, optional)

Single-mode: 20, 40, 60, 80, 120Km, optional

Multi-mode: 2, 5Km, optional

Wavelength: 850nm, 1310 nm, 1550nm

DOWNLOAD PROGRAM Port: Based serial network management (RS-232), RJ45

Approvals

EMI: FCC Part 15, CISPR (EN55022) class A

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