BCS5024-2F Managed Industrial Media Converter

Ordering information

Model	Descriptions
BCS5024-2FM	22 ports 10/100Baes-T(X)+2 ports 100Base-FX Multi-mode SC/ST, AC/DC85-265V
BCS5024-2FS	22 ports 10/100Baes-T(X)+2 ports 100Base-FX single-mode SC/ST, AC/DC85-265V

Product Descriptions

Introduction:

BCS5024-2F is an industrial grade, managed and redundancy Ethernet switch which supports 22 Ethernet Ports and 2 Fiber ports. It provided some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. SW-Ring can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

Product complies with FCC and CE standards, in line with the industrial design requirements, for intelligent substation construction provides high-performance, high-quality products guaranteed. Support 1 channel power inputs and 1 relay alarm output, wide temperature range of -40~75°C to be able to meet the requirements of all kinds of industrial field, can be widely used in electric power, water conservancy, transportation, and other fields.

Features:

1. Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
2. SW-Ring ring network patent technology (Fault recovery time<20ms)
3. Support RSTP, way exchange time<50ms
4. Support static multicast, IGMP Snooping and GMRP
5. Support Port based VLAN and IEEE 802.1Q VLAN
6. Support QOS absolutely and opposite priority
7. Support rate control, Broadcast storm control
8. Support WEB, SNMP and Telnet configuration
9. Support MAC address learning, aging automatic
10. Support DHCP server and port frame statistics
11. Support email warning and relay warning
12. Support port status display, data update.
13. Support configuration file up and download
14. Support 1 channel relay alarm output
15. Industrial grade 4 design, -40-75°C work temperature
16. IP30 protection grade, 19-inch rack mounting
17. No fan deign

Product Standard

Specification:

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W,
Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, SNMP
Flow control: IEEE802.3x flow control, back press flow control

Function

Switch function: SW-Ring, QOS, 802.1QVLAN, RSTP, SNMP, Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, upgrade online, up and download configuration file, user name access system
SW-Ring: Support Single, Couple, Chain, Dual homing

Exchange attribute

100M forward speed: 148810pps
100M maximum filter speed: 148810pps
Transmit mode: store and forward
System exchange bandwidth: 12.8G
MAC address table: 8K
Memory: 4M

Interface

Electric port: 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect
100M optic fiber port: 100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km),
wavelength: 1310nm, 1550nm
Console port: debug serial port carry out CLI command
Alarm port: 2 bit terminal block 1 channel relay alarm output

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)
Multi-mode: 1310nm, 2/5Km
Single-mode: 1310nm, 20/40/60Km1550nm, 80/100/120Km

LED indicator

Run indicator: Run
Interface indicator: Link (1~24)
Power supply indicator: PWR
Alarm indicator: Alarm

Power supply

Input Voltage: 100~240VAC
Type of input: 3 bits terminal block
Overload current protect: 1.2A

Consumption

No-load consumption: 8.7W
Full-load consumption: 11.4W

Working environment

Working temperature: -40~75°C
Storage temperature: -40~85°C
Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP30 protect grade, metal shell
Installation: 19" 1U rack
Size (W×H×D): 441.6mm×45mm×208.9mm

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), Leve 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

Certification

CE, FCC, RoHS, UL508 (Pending)