BCS608

Managed Industrial Ethernet Switch

Ordering information

Model	Descriptions
BCS608	8 ports 10/100Base-T(X), DC12-36V

Product Descriptions

Introduction:

BCS608 is a type of WEB managed redundant Industrial Ethernet Switch, which support 8 10/100M Ethernet ports (RJ45), double power supply input and 1 route repay output. It supports SW-Ring patented technology (self-recovery time <20ms) to enhance the reliability of the network. What's more, IES608 supports several network managements, such as 802.1QVLAN, QoS, IGMP, port trunking and port mirroring. It has got the certification of CE, FCC and Industrial level 4 standard. It can meet the requirement of each type of industrial environment with the temperature range of -40 to 75°C

Features:

1. Support 8 RJ45Ethernet ports.
2. SW-Ring(recovery time < 20 ms at full load)
3. Port-based VLAN, IEEE 802.1Q VLAN to ease network planning
4. Support IEEE802.1p_QOS
5. Support IGMP, Port Trunking and Port mirroring function
6. Support WEB management, easy- to-use
7. Design for industrial Level 4 standard
8. IP 30 protection, rugged high-strength metal case,
9. DIN-Rail or panel mounting

Product Standard

Specification:

Technology
Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1Q,
           IEEE802.1p, IEEE802.1D, IEEE802.1W
Protocol: SW-Ring, STP/RSTP, QoS, VLAN, PVLAN,
           IGMP v1/v2/v3, SNMP v1/v2/v3, Telnet
Flow control: IEEE802.3x, backpressure control

Interface
Ethernet port: 10Base-T/100Base-TX, RJ45, auto flow control,
               full/half duplex mode and MDI/MDI-X auto-connection
Console port: Based serial network management (RS-232), RJ45
Alarm output interface: 1 relay alarm output, 2 terminal blocks
Current carrying capability: 1A@30VDC
Processing Type: Store and Forward
System exchange bandwidth: 2.0G
Cache: 1Mbits
MAC address: 2K
Priority queue: 4
VLAN No.: 256
VLAN ID: 1~4094
IGMP Groups: 256

Technology
Indicator:
Run indicator: Run
Interface indicator: Link1~8
Power indicator: PWR1, PWR2
Alarm indicator: Alarm

Transmission Distance
Double-twisted cable: 100M(standard CAT5/CAT5e cable)
Multi-mode fiber: 850nm, 2Km; 1310nm, 5Km
Single-mode fiber: 1310nm, 20Km; 1310nm, 40Km
                   1310nm, 60Km; 1550nm, 80Km

Power Supply
Voltage input: 24VDC (12~48VDC)
Terminal Blocks: 4 cores 7.62mm terminal blocks
No-load power: 1.7W@24VDC
Full load power: 3.6W@24VDC
Support redundant protection
Support reverse polarity protection Support overload current protection

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

Mechanical Structure
Shell: IP30 protection, metal case
Installation: DIN-rail mounting
Weight: 800g
Dimension (W×H×D) : 136 mm×52mm×105mm

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 4
          EN61000-4-8, Level 5
Shock: IEC60068-2-27
Free Fall: IEC 60068-2-32
Vibration: IEC60068-2-6
          CE, FCC, RoHS, PAL, UL508