IT-ES7110-IM-3GS

7 + 3G-ports Gigabit WEB Managed Industrial Ethernet Switch

Features

- 7-ports 10/100Base-T(x), 3-port 1000Base-X.
- SW-Ring^{TM} (recovery time < 20 ms at full load) and RSTP.
- Port-based VLAN, IEEE 802.1Q VLAN to ease network planning.
- Port trucking for optimum bandwidth utilization.
- Lock port function for blocking unauthorized access based on MAC address.
- Store and forward 8k address. Support MAC address filtration.
- Port mirroring for online debugging.
- Bandwidth management prevents unpredictable network status.
- Dual power backup, Relay output warning for power failure and port break alarm.
- Port link, ring fault/abnormity alarm indication.
- IP 30 protection, rugged high-strength metal case.
- Redundant 24VDC power input (12V～48VDC) Operating.
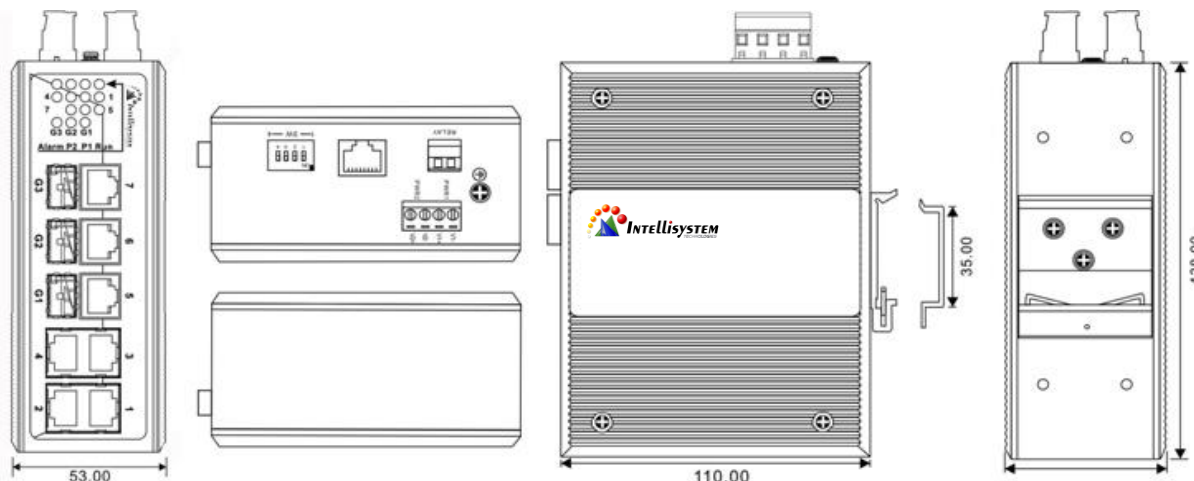- DIN-Rail or panel mounting ability.

Introduction

The IT-ES7110-IM-3GS Gigabit managed redundant industrial Ethernet switch is equipped with up to 3 Gigabit Ethernet ports (7-ports FE and 3-ports GbE), making it ideal for building a Gigabit SW-Ring^{TM} (No.8, No.9), but leaving a spare Gigabit port for uplink use. The Ethernet redundant SW-Ring^{TM} (recovery time < 20 ms) can increase system reliability switches and the availability of your network backbone. IT-ES7110-IM-3GS is designed with industrial standard, can be suited to the applications in different industrial environments.

The IT-ES7110-IM-3GS supports numerous intelligent network management functions, including such as QoS, VLAN, Port Trucking, velocity configuration and alarm enabling functions.

Dimensions

Unit (mm)

Specifications

Interface

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

Fiber Ports: 1000BaseSX/LX/LHX/ZX (LC connector)

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

Multi-mode: 0.5Km

Wavelength: 850 nm (MM), 1310 nm (SM), 1550 nm (SM)

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

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

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

Technology

Standards: IEEE802.3, IEEE802.3x, IEEE802.3u, IEEE802.1Q, IEEE802.1p

Transmit Rate: 148810pps

Max Rate of Filtrate: 148810pps

Processing type: Store and Forward

System exchange bandwidth: 7.4G

Support 8K MAC address

Port-Based VLAN and 802.1Q VLAN

Relay

Max voltage: DC30V

Max current input: 1A

Power

Input Voltage: 24VDC (12VDC~48VDC)

Overload Current Protection

Support dual power backup

Support dual power alarm input

Mechanical

Dimensions: 138mm×53mm×110mm (H×W×D)

Casing: IP30 protection, metal case

Installation: DIN-Rail, Wall Mounting

Weight: 800g

Environmental

Operating Temperature: -40 to 75°C

Storage Temperature: -45°C to 85°C

Ambient Relative Humidity: 5 to 95% (non-condensing)

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

EN61000-4-12

Shock: IEC 60068-2-27

Free Fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty: 5 years

Approvals: FCC, CE, RoHS approvals

Packing List

1. Ethernet switch IT-ES7110-IM-3GS (plus terminal block) ×1

2. Hardware Installation Guide ×1

3. CD-ROM with Windows Utility ×1

4. Product Warranty Statement ×1

5. DIN-Rail setting fittings (wall mounting for optional)