

IEM7110-3G

7-Port Fast Ethernet + 3-Port Gigabit Ethernet

Embedded Industrial Ethernet Switches Module

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab/z, IEEE802.1Q, IEEE802.1p, IEEE802.1D/W, IEEE802.3ad standards
- Support 7 port Fast Ethernet and 3 port Gigabit Ethernet that copper ports and optical fiber port can be optional.
- Support SW-Ring™ ring network patent technology (Fault recovery time<20ms)
- Support RSTP, way exchange time<1s
- Support static multicast, IGMP Snooping and LLDP
- Support Port based VLAN and IEEE802.1Q VLAN
- Support QOS absolutely and opposite priority
- Support WEB, SNMP and Telnet configuration
- Support port Trunking, port mirroring and port frame statistics
- Support 2 channel alarm signal input
- Support -40~85℃ working temperature



Introduction

IEM7110-3G is an industrial grade, embedded, managed and redundancy Ethernet switch module which supports 7 Fast Ethernet ports and 3 Gigabit Ethernet ports. It's especially suitable for video transmission, such as large data flows. IEM7110 embedded module can make the customer's industrial equipment has the function of network management switch. It provided some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, LLDP, SNMP, RSTP, SNTP, Speed control, port mirroring, fault alarm and firmware upgrade online. The Ethernet redundant SW-Ring (recovery time < 20ms) can increase system reliability switches and the availability of your network backbone.

It can be widely used in vehicle system, coal mine monitoring system, water conservancy and hydropower monitoring system, petrochemical pipeline monitoring system, intelligent traffic monitoring system, water treatment monitoring system and other equipment.

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab/z, IEEE802.1Q, IEEE802.1p, IEEE802.1D/W, IEEE802.3ad

Protocol: IPv4, ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, SNMP, SNTP, LLDP, LACP, IGMP, IGMP Snooping

Flow control: IEEE802.3x flow control, back press flow control

Function

Switch function: SW-Ring, RSTP, QOS, 802.1QVLAN, Port Trunking, SNMP, static multicast filter, port mirroring, LLDP, 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

1000M forward speed: 1488100pps

Transmit mode: store and forward

Backplane bandwidth: 7.6Gbps

MAC address table: 8K

Memory: 1Mbits

Interface

Fast Ethernet ports: support 7 Fast Ethernet ports, optical fiber interface or RJ45 interface optional

Gigabit Ethernet ports: support 3 Gigabit Ethernet ports, optical fiber interface or RJ45 interface optional

Console port: TTL level serial interface, serial network configuration can be carried out

Alarm port: 2 channels LVTTTL monitoring signal input and 1 channel LVTTTL alarm output

Power supply

Input Voltage: 3.3VDC (±5%)

Consumption: 3W

Working environment

Working temperature: -40~85°C

Storage temperature: -40~85°C

Relative Humidity: 5%~95% (no condensation)

Mechanical Structure

Dimension (W×H×D): 72mm ×9.5mm×54mm

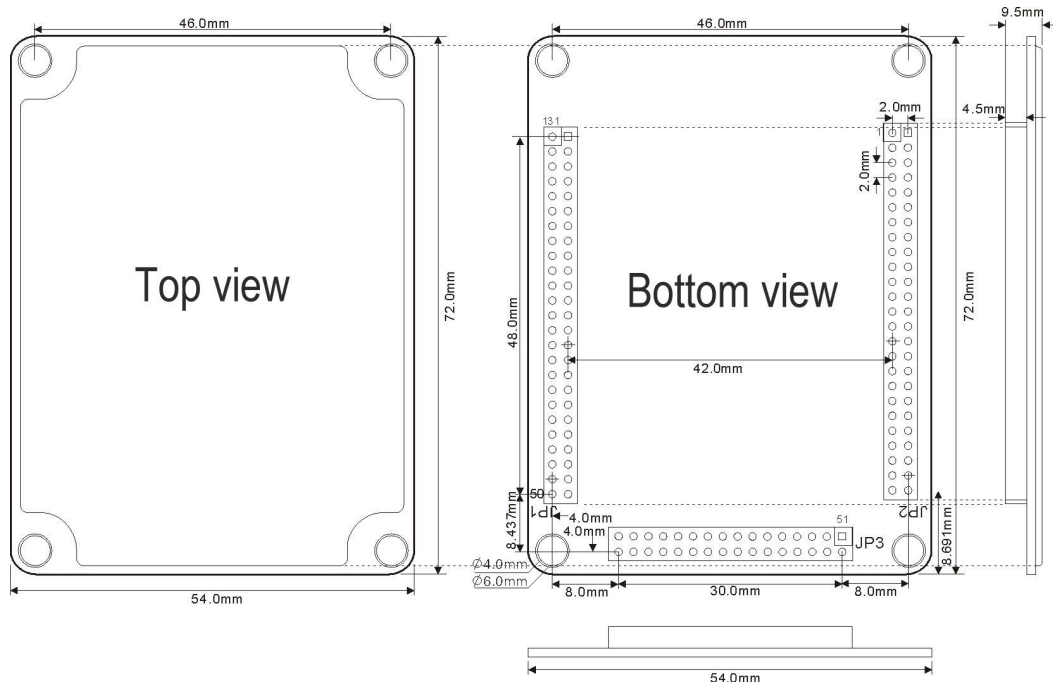
Warranty

Warranty time: 5 years

Certification

CE, FCC, RoHS, UL508 (Pending)

Dimension (Unit: mm)



Packing List

1. Embedded Industrial Ethernet Switches Module ×1