MODEL7211A Series

Desktop Installation

1 100M Ethernet Copper Port to 1 E1 Network Bridge

- Support data conversion between 1 100M copper port and 1 E1 port

- Support local clock and clock setting recovery

- Support VLAN long data packet

- Support Ethernet 10M/100M rate and full/half duplex setting

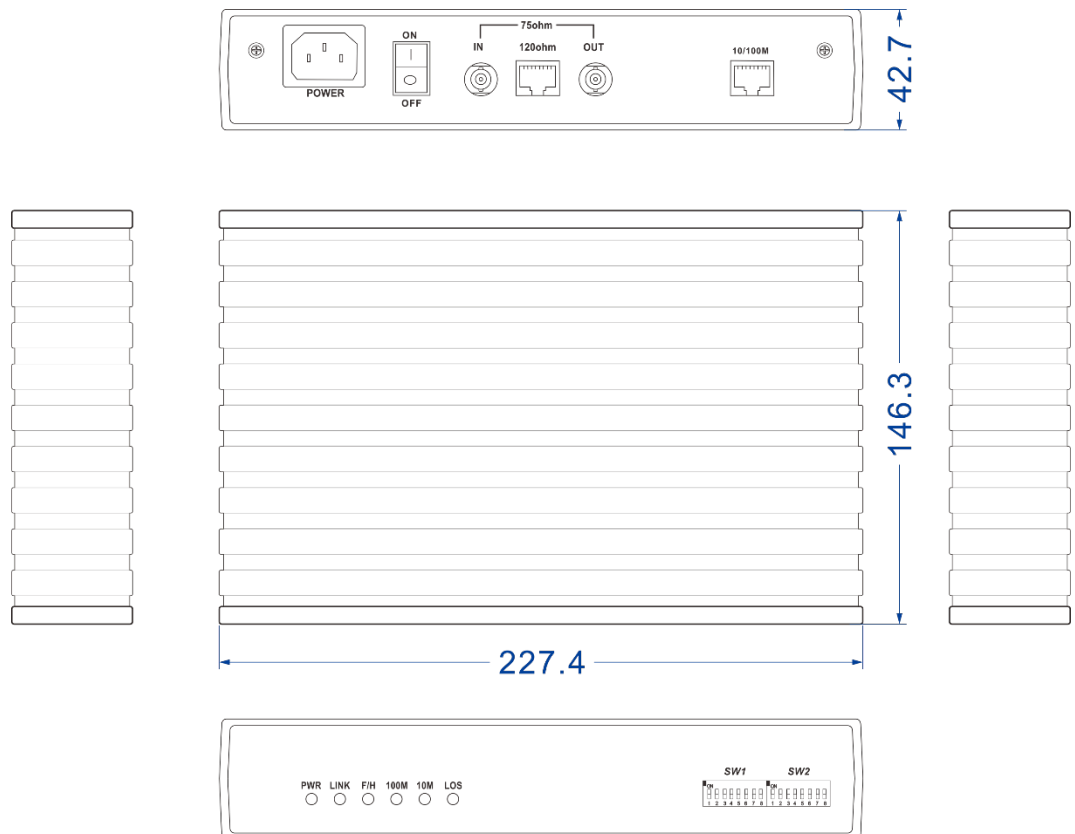- Two optional power supplies: 220VAC or -48VDC

Introduction

MODEL7211A Series are cost effective Ethernet E1 network bridges that can implement Ethernet data transmission through E1 port. This series have 2 types of products and provides 1 100M Ethernet copper port and 1 E1 port, supports 220VAC or -48VDC. It adopts desktop mounting to meet the requirements of different scenes.

The DIP switch provides device impedance option, Ethernet port configuration, clock option, loopback test, etc. Hardware adopts fanless, low power consumption, wide temperature range design, and can be widely used to meet network requirements like extending and aggregating Ethernet in WAN or LAN and achieve interconnection and access of Ethernet device, thus solving the extending problem of Ethernet data.

Dimension

Unit: mm

- 220VAC power supply input

- -48VDC power supply input

Specification

E1 Port	Interface Protocol Standard: aligns with the recommendation of ITU-TG.703
	Output Jitter Transfer: aligns with the recommendation of ITU-TG.735
	Input Jitter Tolerance: aligns with the recommendation of ITU-TG.823
	Output Jitter: meets the recommendation of ITU-TG.823
	Interface quantity: 1 E1 port
	Line Rate: bidirectional 2.048Mbps synchronized data
	Transmission Distance: 2Km
	Clock Recovery Accuracy: ±50ppm
	Interface Code Pattern: HDB3
	Frame Format: un-framing
	CRC Check: No
	Clock Frequency: 2.048MHz
	Interface Connection: BNC, RJ45
	Interface Impedance: 75Ω imbalance(BNC) and 120Ω balance

	(RJ45,) Interface Protection: 1500V Electromagnetic isolation

Ethernet Port	Standard: IEEE802.3 for 10Base-T
	
	                IEEE 802.3u for 100Base-TX
	Interface Rate: 10/100Mbps
	Line Code: Manchester code
	Duplex Mode: full/half duplex
	Interface Connection: RJ45
	Transmission Distance: 100m
	Interface Protection: 1500V Electromagnetic isolation
	Connection Cable: connect to PC through crossover cable；
	              connect to HUB/SWITCH through straight through cable

Indicator	Power indicator, Ethernet port connection/rate/duplex indicator, E1 alarm indicator,
Power Supply	220VAC or -48VDC ● 220VAC, with switching AC power supply socket ● -48VDC, adopts 3-pin 5.08mm pitch terminal block
Power Consumption	≤2W
Environmental Limit	Operating temperature:-25~70℃ Storage temperature: -40~85℃ Relative humidity: 5%～95%（no condensation） Atmospheric pressure: 86~106KPa
Physical Characteristic	Shell: Plastic Installation: desktop installation Dimension (W x H x D): 227.4mm×42.7mm×146.3mm Weight: 260g
Certification	CE、FCC、RoHS
Warranty	3 years

Ordering Information

Models	E1（BNC or RJ45）	100M Copper Port	Power Supply
MODEL7211A (220VAC)	1	1	220VAC
MODEL7211A (-48VDC)	1	1	-48VDC

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