

Optolinx IMC-100A-WA/B-S2

Industrial 10/100BaseTX to 100BaseFX Industrial Media Converter

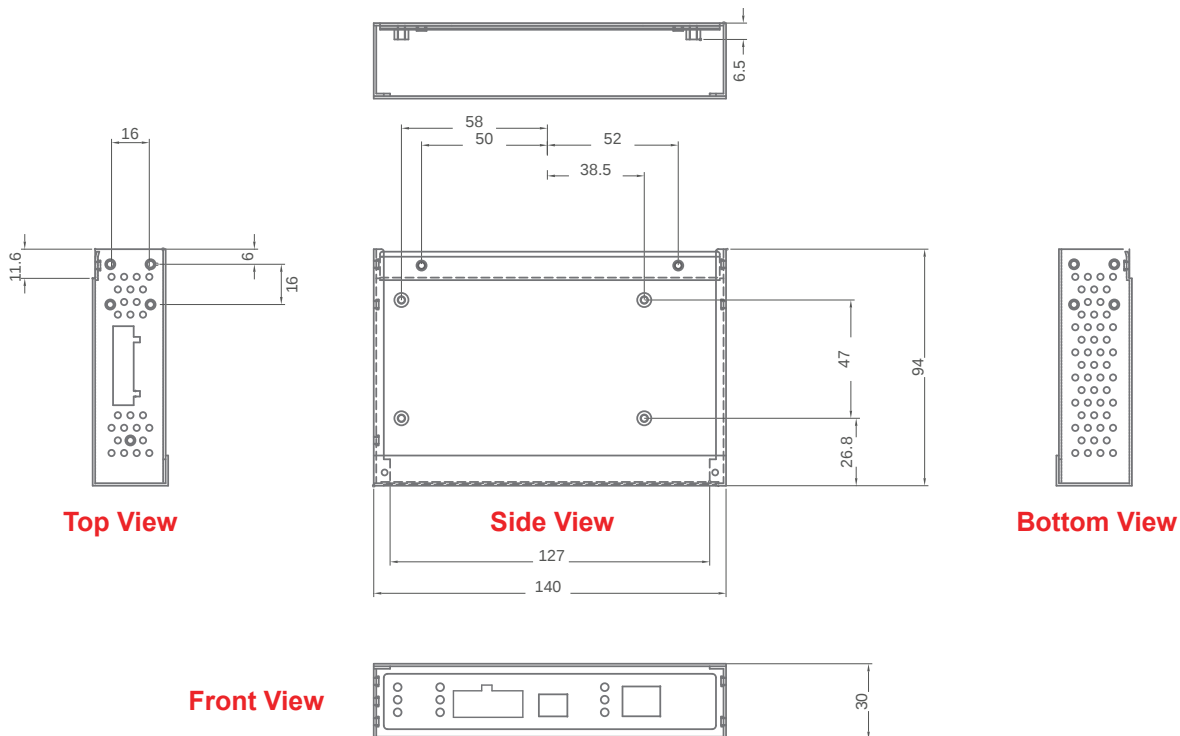


Features

- ▶ UTP to Fiber Media Converter
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Auto Negotiation Speed, Half/Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Loss Forwarding (LLF) & Link-Fault-Pass-Through (LFP)
- ▶ Wide-range Redundant Power Design
- ▶ Power Polarity Reverse Protection
- ▶ Overload Current Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ IP30 Protection
- ▶ 5-Year Warranty



► Specifications



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Standard

IEEE 802.3 10BaseT Ethernet
IEEE 802.3u 100BaseTX/100BaseFX
IEEE 802.3x Flow Control and Back-Pressure

Connector

Fiber: FC (Single-Mode, 20Km)
RJ-45 Socket: CAT-3/5 (10/100Mbps) Twisted Pair Cable
Auto MDI/MDI-X & Auto-Negotiation Function Support

Switch Architecture

Store and forward

Fiber Parameters

Fiber Core: Single-Mode (9/125um ~ 10/125um)
Wavelength: IMC-100A-WA-S2: TX-1310nm; RX-1550nm
IMC-100A-WB-S2: TX-1550nm; RX-1310nm
Fiber Distance: 20Km

Link Loss Forward

TX → Fiber: If TX port link down, will force Fiber port to link down
Fiber → TX: If Fiber port link down, will force TX port to link down

DIP Switch

DIP 1: ON = Enables Port/Power Alarm
OFF = Disables Port/Power Alarm
DIP 2: ON = Enables Link Loss Forward & Link-Fault-Pass-Through
OFF = Disables Link Loss Forward & Link-Fault-Pass-Through
DIP 3: ON = 100BaseFX Half-Mode
OFF = 100BaseFX Full-Mode
DIP 4: ON = 100BaseTX Full-Duplex Mode
OFF = Auto-Negotiation

LED

Unit: Power, Power 1, Power 2 (Green), Fault (Red)
TX: Link/Act (Green), 100M (Yellow)
Fiber: Link/Act (Green), Full Duplex/Collision (Yellow)

Power

DC 12 ~ 48V
Redundant power with reverse polarity protection and removable terminal block

Power Consumption

2.74 Watts

Reserve Polarity/Overload Current Protection

Present

Mechanical

Casing: IP30 Metal Case
Dimension (W x H x D): 30 x 140 x 95 mm (1.18 x 5.51 x 3.74 in.)
Installation: DIN-Rail/Wall Mountable

Operation Temperature

Standard: -10° C to 70° C (14° F to 158° F)
Wide Operating Temperature: -40° C to 80° C (-40° F to 176° F)

Operation Humidity

5% to 95% (Non-condensing)

Storage Temperature

-40° C to 85° C

EMI

FCC Class A
CE EN6100-4-2/EN6100-4-3/EN6100-4-4/EN6100-4-5/EN6100-4-6/
EN6100-4-8/EN6100-4-11/EN6100-4-12/EN6100-6-2/EN6100-6-4

Safety

UL, cUL, CE EN60950-1

Stability Testing

Shock: IEC60068-2-27
Free Fall: IEC60068-2-32
Vibration: IEC60068-2-6

Warranty

5-Year Warranty

► Ordering Information

IMC-100A-WA-S2
IMC-100A-WB-S2

Industrial Media Converter, Single-Mode Fiber, FC, 20 Km, TX-1310nm; RX-1550nm
Industrial Media Converter, Single-Mode Fiber, FC, 20 Km, TX-1550nm; RX-1310nm

Optional Accessories

DR-4524
DR-75-24
DR-120-24

45W 24VDC Industrial DIN Rail Power Supply
75W 24VDC Industrial DIN Rail Power Supply
120W 24VDC Industrial DIN Rail Power Supply

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