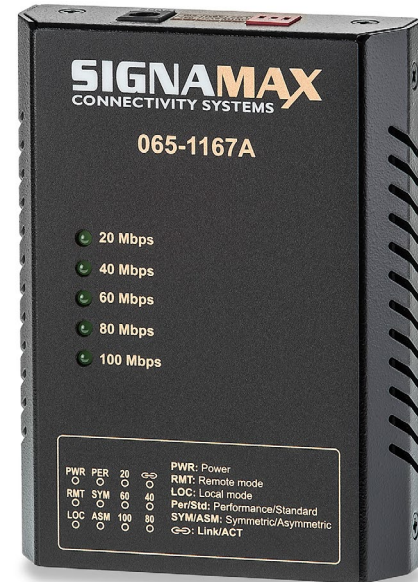


Product Specifications

10/100 Ethernet Extender

KEY FEATURES

- Enhanced Safety features UL 60950 Listed
- Operates transparently to higher layer protocols such as TCP/IP
- Ethernet port offers 10/100 Mbps & full/half-duplex operation
- Ethernet extender port offers 8 speeds with speed indicator LEDs
- Up to 100 Mbps at 984' (300 m) down to 1 Mbps at 8,530' (2,600 m)
- Symmetrical & asymmetrical VDSL operation supported
- Effortless configurable DIP switches for local or remote operation
- Extended operating temperature ranges -4°F to 140°F (-20°C to 60°C)
- Diverse mounting options include wall, DIN-rail, or the Signamax rack mount media converter chassis



The Signamax 10/100 Ethernet Extender Media Converter efficiently extends 10/100 Ethernet circuits to over 980 feet (300 meters) at high-speed, full-duplex 100 Mbps using existing straight pair copper wire. Used in pairs to extend Ethernet connectivity over existing voice grade copper wire, the Ethernet Extender allows connectivity without pulling extra cable.

The DIP switch settings allow each unit to be set either for local operation at the near side of the circuit or remote operation when used at the other end of the circuit. They also determine either symmetrical or asymmetrical speeds and to choose standard or high-performance mode. Excellent solution on the factory floor where systems are upgraded to Ethernet networking.

ORDERING INFORMATION

PART NO.	DESCRIPTION
065-1167A	10/100BaseT/TX Ethernet Extender Media Converter
065-1167ADIN	10/100BaseT/TX Ethernet Extender Media Converter with Pre-attached DIN-rail Mount

SPECIFICATIONS

Applicable Standards

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 Ethernet over VDSL

Ports

1 - RJ-45 10/100BaseT/TX Auto-Negotiation, Auto-MDI/MDIX, plus 1 - RJ-11 Ethernet Extender

Performance

Ethernet Port Throughput @ 100Base: 148,810 pps (64-byte packets)
Ethernet Extender (Line) Port Throughput: Distance-dependent:
Twisted Pair Ethernet Port: 10 Mbps or 100 Mbps; 100 meters
Ethernet Extender Port: Up to 100 Mbps @ 984 ft (300 m) down to 1 Mbps @ 8,530 ft (2,600 m); supports symmetrical or asymmetrical VDSL operation.
Cable: Telephone line 24 AWG (0.5 mm diameter, 1-pair wire) or larger.

Distance (m)	Data Rate (Mbps)
300	100
400	80
60	60
800	40
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2600	1

Note: All speed selections are Symmetrical on the DSL (RJ11) port and Full duplex on the Ethernet port. The data rate will vary according to the line quality.

Physical Characteristics

Dimensions: 4.33" L x 3.16" W x 0.91" H (109.2 mm x 83 mm x 23.8 mm)
Weight: 0.33 lb (150 g)

LED Status Indicators

End Panel: PWR (green).

10/100BaseT/TX Port: Link/Activity (green), Link Speed (yellow).

Ethernet Extender Port (labeled Line): Performance Mode (Per); Remote Mode (RMT); Local Mode (LOC); Symmetrical Mode (SYM); Asymmetrical Mode (ASM); Port Speed LEDs (20, 40, 60, 80, 100 Mbps); Link/Activity.

Top Panel: Port Speed LEDs (20, 40, 60, 80, 100 Mbps)

Electrical Characteristics

12 V DC. External 100 – 240 V AC 50/60 Hz. Power supply included.

Maximum Power Consumption: 4.56 W; 0.38 A @ 12 V DC

Protection: Over current protection; Reverse polarity protection

Environmental Requirements

Operating Temperature: -4°F to 140°F (-20°C to 60°C)

Tested To: -4°F to 158°F (-20°C to 70°C)

Storage Temperature: -4°F to 158°F (-20°C to 70°C)

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

Certifications

CE

Safety: UL60950; EN60950-1, IEC60950-1;

EMI: FCC Part 15, Class A; VCCI, Class A; EN61000-6-4; EN61000-3-3

EMS: ESD Standards (IEC 61000-4-2); Radiated FRI Standards (IEC 61000-4-3); Burst Standards (IEC 61000-4-4); Surge Standards (IEC 61000-4-5); Induced RFI Standards (IEC 61000-4-6); Magnetic Field Standards (IEC 61000-4-8)

Environmental Test Compliance: Vibration Resistance (IEC 60068-2-6fc); Operation/Storage/Transport; Criterion 3 Shock (IEC 60068-2-27Ea) Free Fall FED Std 101C Method 5007.1 (Free Fall w/package)

Warranty

Limited Lifetime