# 10/100/1000 Ethernet Copper Extenders

perle.com/products/10-100-1000-ethernet-extenders.shtml

## Extend Ethernet Links over Coax or Copper Wire

Perle Ethernet Extenders enable the transmission of 10Mbps, 100Mbps, or 1G Ethernet data beyond 100m (328ft) -- the general maximum cable length for copper Ethernet cables. This is achieved by using advanced VDSL technology to transmit over single twisted pair (CAT5/6/7/8), coax, or any existing copper wiring previously previously used in alarm circuits, E1/T1 circuits, RS-232, RS-422, RS-485, CCTV or CATV applications.

- Extend 10/100/1000Base-T network distances up to 3 km [1.9 mi]
- High-Speed: up to 200+ mbps aggregate bandwidth
- Operation in **Unmanaged or Secure Managed** Networks
- Transparent operation for all Ethernet protocols including 802.1Q VLAN packets, and IP video compression schemes
- Advanced features: Link Pass-Through, Interlink Fault Feedback, Auto-MDIX and Loopback
- Supply up to 30 Watts PoE to attached devices

## Perle 10/100/1000 Ethernet Extenders

### eX-S1110

Operate in 0°C to +50°C

- 1 or 4 RJ45 10/100/1000 Ethernet ports
- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Metal desktop / wall-mount chassis



### eX-S1110-XT

Operate in -40°C to +75°C

- 1 or 4 RJ45 10/100/1000 Ethernet ports
- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Metal desktop / wall-mount chassis



### eX-SM1110

For secure managed environments

- 1 RJ45 10/100/1000 Ethernet port
- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Operate in 0°C to +50°C

## eXP-S1110 PoE

Supply up to **15.4W PoE** in 0°C to +50°C

- 1 or 4 RJ45 10/100/1000 PoE PSE ports
- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Remotely reboot attached devices
- Also operates as a PoE Powered Device

## eXP-S1110PE PoE+

Supply up to **30W PoE** in 0°C to +50°C

- 1 or 4 RJ45 10/100/1000 PoE+ PSE ports
- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Remotely reboot attached devices
- Also operates as a PoE Powered Device

## eXP-S1110-XT PoE+

Supply up to **30W PoE** in -40°C to +75°C

- 1 or 4 RJ45 10/100/1000 PoE PSE ports
- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Remotely reboot attached devices
- Also operates as a PoE Powered Device

## eR-S1110 Ethernet Repeater

Transmit an additional 100m over twisted pair

- Rate conversion between 10Mbps, 100Mbps, and 1G network links
- Operates as a PoE Powered Device
- Operate in -10°C to +50°C

## eX-C1110

Slide-in card for modular chassis system

- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Operate in 0°C to +50°C
- Unmanaged

## eX-CM1110

Managed slide-in card for chassis system

- RJ45, BNC, or Terminal Block Interlink (VDSL2) connector
- Operate in 0°C to +50°C
- Manage via SNMP, Telnet/SSH, HTTPS, or PerleVIEW

## **MCR1900 Modular Chassis**

19-slot modular chassis system

- Fits a standard 19" or 23" rack – 2U height
- Redundant AC or 48v DC power supplies
- For use in Managed and Unmanaged environments

## **MCR200 Modular Chassis**

2-slot modular chassis system

- High reliability with no internal fan
- Low-profile desktop / wall-mount chassis
- For use in Managed and Unmanaged environments

## **Extend Ethernet over Fiber**

Copper to Fiber Media Converters

- Extend network distances up to 160km
- SFP, Dual fiber ST/SC/LC or Single fiber SC Connectors
- Multimode and Single Mode fiber
- Dual and Single fiber (FX, LX, EX, ZX, BX)