



Fast Ethernet and PoE+ over Coax Cable with 2,000 ft (609 m) Reach

The plug and play EC10 switch is a ten port unmanaged Ethernet over Coax switch. This powerful switch delivers fast ethernet and PoE+ over coax cable with 2,000 ft (609 m) reach.

EC10 was designed to make the migration to IP quick, easy and cost effective by leveraging an existing coax infrastructure. Benefits include:

- Accelerating your return on investment by reducing infrastructure costs.
- Collapsing planning and deployment time.
- Eliminating infrastructure barriers, risks, disruption and costs.
- Creating a robust IP platform that is easy to configure, deploy and manage.

Unlike other Ethernet over Coax technologies, the EC10 switch offers:

Speed, Reach and Power

EC10 delivers 100 Mbps (symmetrical, full duplex) and PoE+ over coax cable with 2,000 ft (609 m) reach. It's designed to support the most demanding IP Cameras with plenty of bandwidth to spare. There is no reduction in bandwidth speed based on longer distances.

Simple Deployment

EC10 is an unmanaged switch that requires no configuration. Deployment is quick, easy, and non-disruptive.

End Point Deployment Options

Each downlink port has enough bandwidth to support multiple end points. When paired with the EC4 media converter, you can connect up to 4 IEEE compliant devices to a single coax cable as far as 2,000 ft (609 m) away.

EC10 Switch

At-a-Glance

The EC10 switch is a high-performing 10 port unmanaged Ethernet over Coax switch that helps maximize your return on investment and reduce your total cost of ownership.

EC10 transforms the existing coax infrastructure into a robust IP platform with power ideal for IP cameras and other IEEE compliant IP devices.

Advantages

- Quick, easy and cost effective IP migration
- Plug-and-play unmanaged switch
- 100 Mbps with PoE+ up to 2,000 ft reach


Member of CHARIoT Series of Long Reach PoE Switches



EC10 Unmanaged Switch Technical Specifications

Model	NV-EC-10
Dimensions	<ul style="list-style-type: none"> • 1.77" x 7.01" x 4.72" (HxWxD) • 4.5cm x 17.8cm x 12cm (HxWxD)
Weight	0.679 lbs (0.308 kg)
Interface: Ethernet Uplink (Trunk IP)	2 RJ45 ports: 10/100/1000 Base-T auto-sensing, Independent speed selection, Ethernet IEEE 802.3, CAT5e/6 copper cable
Interface: Downlink (PoE and IP to Adapter)	10 x BNC Jacks Speed: 100Mbps (full duplex) PoE Power: 30 Watts Maximum Maximum Distance: <ul style="list-style-type: none"> • 1500ft (457m) over RG59 coax Cable • 2000ft (609m) over RG6 coax Cable

The EC-10, model NV-EC-10, comes with a 150 watt external power supply.

Power Supply	48-56VDC (55VDC, 165W power supply included)
Power Consumption	3.8W
Power Injection (PoE)	48-56VDC; Endpoint devices must be compliant with IEEE 802.3af/at
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Humidity	10% to 95% (non-condensing) at 95°F (35°C)
Rack Mount	Model NV-PL-RMEC10 

A media converter (EC-Link, EC-Link Plus or EC4) is required at the device end. Please refer to Media Converter data sheet.

Specifications subject to change without notice.

