

IP MIGRATION MADE SIMPLE.

NVT PHYBRIDGE EC10 SWITCH DATA SHEET



Fast Ethernet and PoE+ over Coax with 2,000ft (610m) Reach

The plug and play NVT Phybridge Ethernet over Coax 10-Port (EC10) Unmanaged Switch is the world's first Ethernet over Coax managed solution to deliver powerful, enterprise-grade fast Ethernet and PoE+ over Coax with extended reach to 2,000ft (610m) – 6Xs the distance of typical switches.

The EC10 enables a robust separate LAN in line with security industry best practices. It quickly and easily transforms Coax infrastructures into IP paths with substantial power and extended reach to support bandwidth-demanding security and video devices and applications with the highest QoS.

EC10 is designed to make the migration to IP quick, easy, efficient, and cost-effective. It leverages the existing Coax infrastructure to seamlessly create an IP path with power. And multi-site migrations are greatly simplified with a repeatable, predictable, scalable deployment methodology used across every location.

With EC10, you can:

- Eliminate infrastructure replacement risks, disruption, and costs.
- Reduce planning, implementation, and deployment times.
- Create a robust, highly-secure IP platform that is easy to configure, and deploy.
- Accelerate migration ROI and lower TCO significantly.
- Reallocate freed-up budget to higher-value IT projects, applications, and devices.

EC10 is unlike typical Ethernet over Coax switches:

Speed, Reach and Power

EC10 delivers 100Mbps (symmetrical, full duplex) and PoE+ over Coax with 2,000ft (610m) reach, providing substantial power to support bandwidth-demanding IP cameras easily and reliably.

Simple Deployment

EC10 comes preconfigured and ready to deploy, making migration to IP simple, fast, and efficient in organizations of every size.

Endpoint Deployment Options

EC10 downlink ports have substantial bandwidth to support multiple endpoints. When paired with the EC4 Coax Media Converter, up to four IEEE-compliant devices can be connected to a single Coax cable to support IP devices up to 2,000ft (610m) away - 6Xs the distance of typical switches.

EC10 Switch

At-a-Glance

The powerful EC10 is a 10-port unmanaged Ethernet over Coax switch that quickly helps to maximize return on investment and lower total cost of ownership.

EC10 transforms the existing Coax infrastructure into a robust IP platform with substantial power to support IP cameras and other IEEE-compliant devices of any kind.

Advantages

- Flexibility to run Ethernet and PoE over Coax – no need to rip/replace or disrupt the business
- Connectivity up to 2,000ft (610m) – 6Xs further than standard Ethernet limits
- Small form-factor, needs little space and uses low power consumption.

Member of CHARIoT Series of Long Reach
PoE Switches




EC10 SWITCH

PRODUCT SPECIFICATIONS

EC10 Unmanaged Switch

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: 30W max Maximum Distance: <ul style="list-style-type: none"> • 1,500ft (457m) over RG59 Coax Cable • 2,000ft (610m) over RG6 Coax Cable

The EC10, model NV-EC-10, comes with a 150W external power supply.

Power Supply	55VDC 3A (165W) power supply included
Power Consumption	3.8W
Power Injection (PoE)	48-56VDC; endpoints 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 

An EC Coax Media Converter is required at the IP device. Please refer to EC4/EC-Link Coax Media Converter data sheet for model options.

Specifications subject to change without notice.

