## IP MIGRATION MADE SIMPLE.



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

EC10 SWITCH

DATA SHEET

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

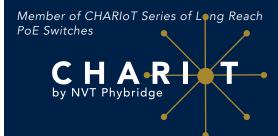
At-a-Glance

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.



# EC10 SWITCH

PRODUCT SPECIFICATIONS

## EC10 Unmanaged Switch

Model	NV-EC-10
Dimensions	<ul><li>1.77" x 7.01" x 4.72" (HxWxD)</li><li>4.5cm x 17.8cm x 12cm (HxWxD)</li></ul>
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:  1,500ft (457m) over RG59 Coax Cable 2,000ft (610m) over RG6 Coax Cable

The EC10, model NV-EC-10,	comes with a 150V	V external po	wer supply.
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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.

