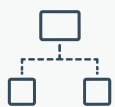




NVT Phybridge 1701+

Power Over Ethernet Extender Solution

Use our award-winning 1701+ Extender solution to deliver PoE+ over coax, single-pair UTP, or 2-wire infrastructures with reach of up to **8,000ft (2.4km)** reach.



Leverage any new or existing network infrastructure

Protect proven coax, single-pair UTP, and 2-wire investments and simplify deployments.



Support IP and IoT devices up to 24-times farther

Extend connectivity farther than standard Ethernet.



Modernize without risk, disruption, or complexity

Create a robust, secure, and high-performance network.

1701+ Solution: Ethernet and PoE over Coax, UTP or 2-Wire Cable



Single 60-Watt Transmission System (Coax or UTP) NV-EC1701PLS-XKIT

- Delivering up to 420Mbps and PoE+ over Coax, single pair UTP or 2 wire infrastructures with reach of up to 8,000ft (2.4km) on RG6
- IEEE Compliant Kit
- Includes: 1 x 1701+ Base Extender, 1 x 1701+ Link Adapter, 1 x NV-PS55-60W Power Supply with IEC line cord, 1 x BNC to 2Pin Screw Terminal Adapter – pack of 2 (NV-BNCA-2P)



Triple 110 Watt Transmission System (Coax or UTP) NV-EC1701PLS-K3H

- Delivering up to 420Mbps and PoE+ over Coax, single pair UTP or 2 wire infrastructures with reach of up to 8,000ft (2.4km) on RG6
- IEEE Compliant Kit
- Includes: 1 x 1701+ Base Extender, 3 x 1701+ Link Adapter, 1 x NV-PS55-110W Power Supply with IEC line cord, 1 x BNC Screw Terminal Adapter (NV-BNCA), 2 x BNC to 2Pin Screw Terminal Adapter – pack of 2 (NV-BNCA-2P), 1 x BNC Coax Splitter 1:4 (NV-EC4BNC)



Dual 110 Watt Transmission System (Coax or UTP) NV-EC1701PLS-K2H

- Delivering up to 420Mbps and PoE+ over Coax, single pair UTP or 2 wire infrastructures with reach of up to 8,000ft (2.4km) on RG6
- IEEE Compliant Kit
- Includes: 1 x 1701+ Base Extender, 2 x 1701+ Link Adapter, 1 x NV-PS55-110W Power Supply with IEC line cord, 1 x BNC Screw Terminal Adapter (NV-BNCA), 1 x BNC to 2Pin Screw Terminal Adapter – pack of 2 (NV-BNCA-2P), 1 x BNC "T" Adapter (NV-BNCT)



Quad 110 Watt Transmission System (Coax or UTP) NV-EC1701PLS-K4H

- Delivering up to 420Mbps and PoE+ over Coax, single pair UTP or 2 wire infrastructures with reach of up to 8,000ft (2.4km) on RG6
- IEEE Compliant Kit I
- Includes: 1 x 1701+ Base Extender, 4 x 1701+ Link Adapter, 1 x NV-PS55-110W Power Supply with IEC line cord, 1 x BNC Screw Terminal Adapter (NV-BNCA), 2 x BNC to 2Pin Screw Terminal Adapter – pack of 2 (NV-BNCA-2P), 1 x BNC Coax Splitter 1:4 (NV-EC4BNC)

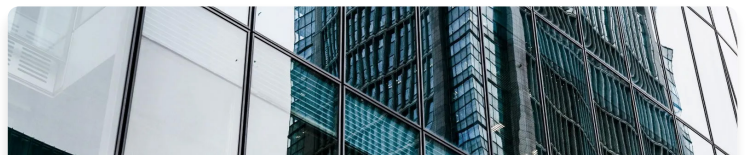
Customer Success Stories



Scion Group

The Scion Group accelerates its digital transformation project by 50% using NVT Phybridge PoE innovations to provide enhanced security for student apartments

[Read Full Story](#)



Calgary High Rise

A high-rise office complex in downtown Calgary wanted to upgrade from analog to IP intercoms across multiple elevators, parkades, and emergency call stations to improve safety.

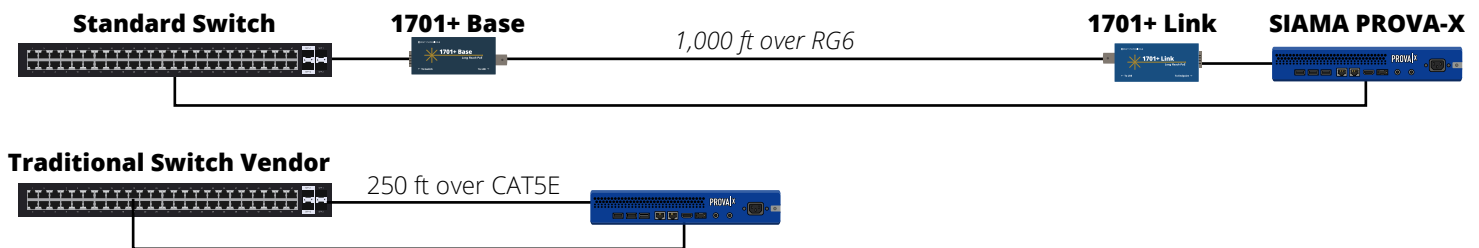
[Read Full Story](#)

Performance Matters

The 1701+ Performance delivers reliable long-reach results compared to Traditional Switch Vendors, helping teams extend IP devices over existing coax without replacing proven infrastructure.

Metric	1701+	Traditional Switch Vendor
Tested Parameters	1,000 ft over RG6 at 100 Mbps	250 ft over CAT5E at 100 Mbps
Throughput	100%	100%
Frame Loss	0%	0%
Latency Range	1759 to 2081 μ s	12 to 128 μ s
Back-to-Back	N/A	2000 to 2000 frames

Testing Setup



Simplify Switch Management with CCMT

The NVT Phybridge CCMT Switch Configuration Tool helps teams configure, manage, back up, and upgrade managed switches from one simple application. It is designed to reduce administrative complexity, minimize downtime, and help teams manage multiple switches across multiple locations more efficiently.

Bulk Switch Management

Automate switch management tasks and perform actions across multiple devices to shorten deployment cycles and reduce manual work.

Firmware Updates & Backups

Easily upgrade switch firmware, create backups, and maintain consistent configurations to reduce the risk of human error.

Lower Management Costs

Reduce ongoing switch management costs by up to 80% while improving business continuity and operational response.