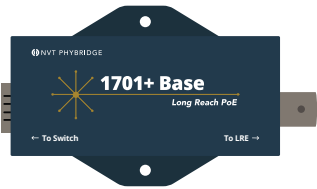
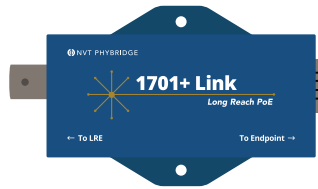


The 1701+ Long Reach PoE extenders deliver up to 420Mbps and power over Coax, UTP (Unshielded Twisted Pair), or Non-twisted cable with reach of up to 8,000ft (2.4km) on RG6. You can extend PoE connectivity to 4 endpoints with a single base unit in a point to point or point to multi-point topology.

1701+ Base



1701+ Link



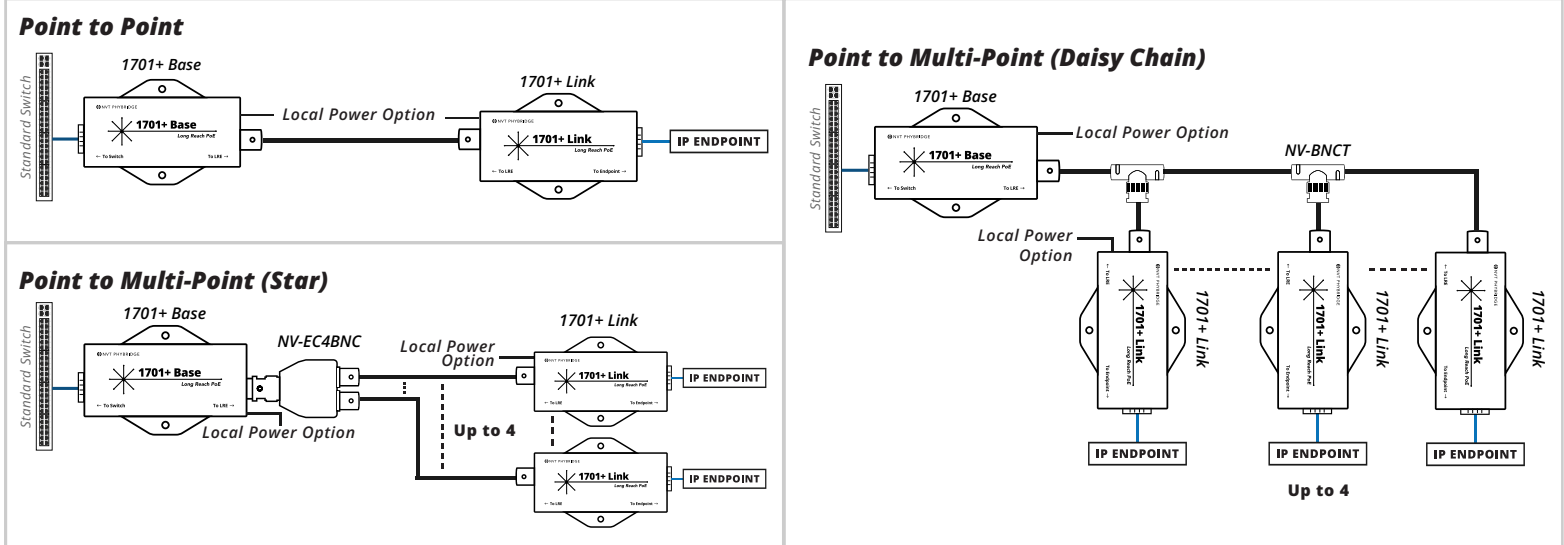
1701+ Base (NV-EC1701PLS-BSE)

- Paired with 1701+ Link
- Up to 100W PoE*
- Local power option
- IEEE 802.3at compliant

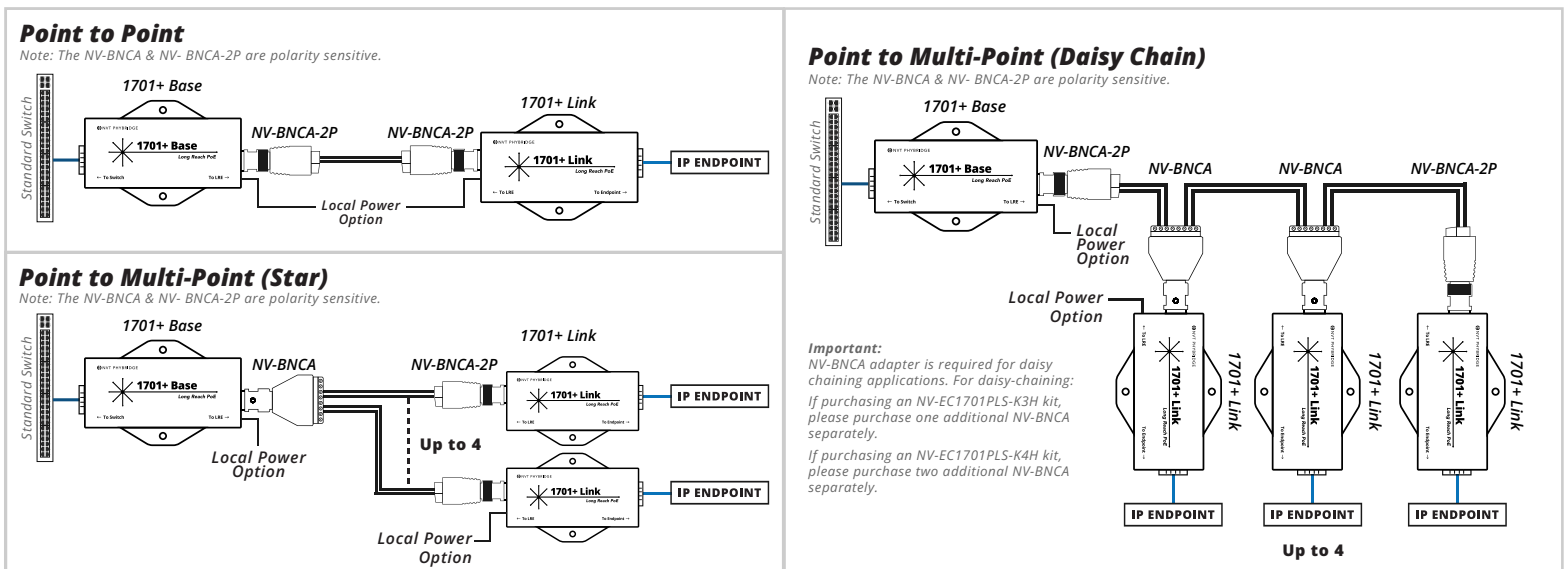
1701+ Link (NV-EC1701PLS-LK)

- Paired with 1701+ Base
- Up to 50W PoE on 4-pairs
- Local power option
- IEEE 802.3at compliant

Coax Usage Scenarios:

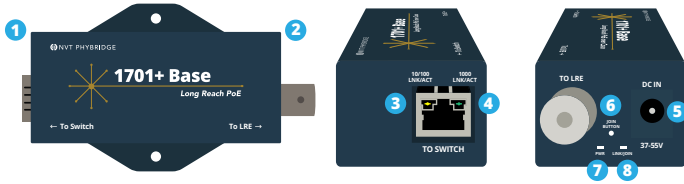


UTP Usage Scenarios:



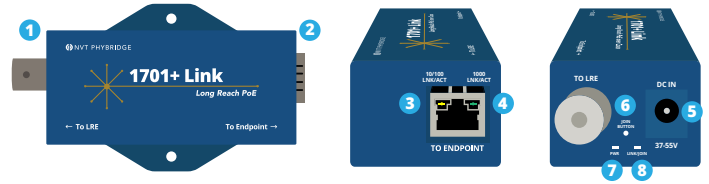
*Laboratory tested; 50W UL tested

1701+ Base Overview



1. RJ45 Connector (To Switch)
2. BNC Connector (LRE connection)
3. Amber LED 10/100Mbit Link/Activity
4. Green LED 1000Mbit Link/Activity
5. DC input (37-55V)
6. Join/Factory Reset button
7. Power LED
8. Long Reach Ethernet (LRE) Link / Join indicator LED

1701+ Link Overview



1. BNC Connector (LRE connection)
2. RJ45 Connector (To Endpoint)
3. Amber LED 10/100Mbit Link/Activity
4. Green LED 1000Mbit Link/Activity
5. DC input (37-55V)
6. Join/Factory Reset button
7. Power LED
8. Long Reach Ethernet (LRE) Link / Join indicator LED

Basic Setup:

1. Remove 1701+ Base and 1701+ Link(s) from packaging.
2. (Optional) Join the adapters together using a password. See Join instructions.
3. (Optional) Connect either NV-EC4BNC or NV-BNCA adapters to cable infrastructure.
4. Ensure cables are properly terminated before connecting any 1701+ products.
5. Remove all legacy equipment from the cable infrastructure. NOTE: In order to avoid damage to endpoints, it is important that non-IP devices are not connected when you connect the 1701+ Base.
6. At the head end, connect the 1701+ Base to the switch and cable infrastructure.
 - a. (Optional) Connect the 1701+ Base to the power supply. This can be skipped if the 1701+ Base is connected to a POE switch. (Note: the 1701+ Base can only draw 30W from a PoE switch)
7. Using CAT5e or higher category cable, connect the endpoint to 1701+ Link.
 - a. (Optional) If required, connect a power supply to the 1701+ Link. This is not recommended if the endpoint draws greater than 25W.
8. Connect the 1701+ Link to the cable infrastructure. Verify that the Power and Link LEDs are on.
9. Repeat steps 7-8 for each 1701+ Link being connected to the 1701+ Base.

Join / Factory Reset

Note: Any additional pairs of 1701+ units must be re-joined or re-paired with separate passwords. So that they are logically separated and prevent cross-joining.

1. Visit our 1701+ Products page at www.nvtpybridge.com to download the 1701+ Configuration Tool.
2. Use the join button to join multiple adapters together.

To use the join button:

(Note: a paperclip or other thin item will be needed to press the join button.)

1. (Optional) If the adapters have already been in use, factory reset them all by pressing their join button for at least 15 seconds. The LEDs on the unit will perform 1 slow blink if done correctly.
2. On the 1701+ Base, press the join button for 10 seconds to generate a new random password. If done correctly, the LEDs will blink slowly 5 times.
3. Make sure the 1701+ Base is connected to the 1701+ Link(s) for next step: (Note: this step must be done quickly)
 - a. Press the join button on the 1701+ Base for 1 second. The join LED will start blinking.
 - b. Press the join button on the 1701+ Link for 1 second. Both join LEDs will start blinking rapidly.
 - c. Repeat step 3 for each 1701+ Link being connected to the 1701+ Base.
4. Once units have been joined locally, test for successful connectivity with desired endpoints.
5. Connect to local cabling.

Accessories

NV-BNCA

The NV-BNCA is a BNC Screw Terminal Adapter optional accessory which can be used to connect any form of UTP or 2-wire cable to the 1701+ devices.

1. Strip the ends of your wire.
2. Use the screw terminals to connect the wire to the NV-BNCA. Up to 4 pairs of cables can be connected to support multi-point connections.
3. **WARNING:** Do not mix up positive and negative contacts on the BNC Screw Terminal Adapter as it can damage equipment.
WARNING: Ensure that both ends of the cable are terminated before connecting to the 1701+ Base.
4. Connect the NV-BNCA to the 1701+ adapters

NV-BNCA-2P

The NV-BNCA-2P is a BNC to 2-Pin Screw Terminal Adapter optional accessory which can be used to connect any form of UTP or 2-wire cable to the 1701+ devices.

1. Strip the ends of your wire.
2. Use the screw terminals to connect the wire to the NV-BNCA-2P.
WARNING: Ensure that both ends of the cable are terminated before connecting to the 1701+ Base.
4. Connect the NV-BNCA-2P to the 1701+ adapters.

NV-EC4BNC

The NV-EC4BNC is a BNC Coax Splitter optional accessory which can be used to connect up to 4 devices to a 1701+ Base.

NV-BNCT

The NV-BNCT is a "T" adaptor to split 1701+ signals. The NV-BNCT may be used at the head-end or mid-span for coax daisy-chain applications.

⚠ Safety Warnings and Precautions

All the Safety Warnings and Precautions are available on our website www.nvtpybridge.com. See document "Compliance, Safety and Environmental info"

- CAUTION, Hot surface
- ATTENTION, Surface chaude
- VORSICHT, Heiße Oberfläche
- PRECAUCIÓN, Superficie caliente
- VAROITUS, Kuuma pinta
- VOORZICHTIGHEID, Heet oppervlakte
- WARNING, Varm yta
- ADVARSEL, Varm overflade
- ΠΡΟΣΟΧΗ, Καυτή επιφάνεια
- ATTENZIONE, Superficie calda
- CUIDADO, Superficie quente
- ATTENZIONI, Więć szn
- ETTEVAATUST, Kuum pind
- VIGYÁZAT, Forró felület
- PREVIDNOST, Vroča površina
- POZOR, Horký povrch
- ATSARGIAI, Karštas paviršius
- UZMANĪBU, Karstā virsma
- POZOR, Horúci povrch
- VARÚB, Heitt yfirborð
- PRZESTROGA, Gorąca powierzchnia
- FORSIKTIG, Varm overflate
- PRUDENTĀ, Suprafata fierbinte
- BHVMÁHVE, rope1.a nosbpxHocr

Compliance and Environmental Information

All the compliance and environmental information is available on our website www.nvtpybridge.com. See document "Compliance, Safety and Environmental info"