The FLEX Extender Kits are robust, long reach single port UTP solutions. The kit includes a FLEX-Base, a FLEX-Link or FLEX4 adapter and a 60 Watt or 110 Watt 55V power supply. The FLEX-Link and FLEX4, when connected to the FLEX-Base unit via 2 or 4 pair UTP can deliver 100Mbps (symmetrical full duplex) with up to 50 watts of power with 2,000ft (610m) reach. The FLEX offering is designed specifically to enable easy deployment over UTP for reaches beyond that of standard Ethernet eliminating the costs and disruption associated with IDF closet requirements.

**PRODUCT OVERVIEW**

### FLEX Extender Kit (FLEX-Link + FLEX-Base + 60W, 55V Power Supply)
**P/N: NV-FLXLK-XKIT**

- **FLEX-Base**
  - To Switch
  - Local Power
  - Up to 60W, 55V
  - (Optional)
  - To LRE
  - Link
  - Activity

- **FLEX-Link**
  - Local Power
  - Up to 60W, 55V
  - (Optional)
  - To LRE
  - Link
  - Activity
  - 100Mbps
  - Orange: 10Mbps

**Product Details (NV-FLXLK-Base)**
- Paired with FLEX-Link or FLEX4
- Up to 50W PoE
- Local power option
- IEEE compliant

**NOTE:** Please see page 2 for important safety instructions

### FLEX Extender Kit (FLEX4 + FLEX-Base + 110W, 55V Power Supply)
**P/N: NV-FLX-04-XKIT**

- **FLEX-Base**
  - To Switch
  - Local Power
  - Up to 60W, 55V
  - (Optional)
  - To LRE
  - Link
  - Activity

- **FLEX4**
  - Local Power
  - Up to 110W, 55V
  - (Optional)
  - To LRE
  - Link/Speed
  - Green: 100Mbps
  - Orange: 10Mbps

**Product Details (NV-FLX-04)**
- Paired with FLEX-Base, FLEX8, FLEX24
- 1 uplink port and 4 downlink ports
- Max 30W per downlink port
- Supports IEEE compliant devices
- Can be locally powered for additional PoE delivery

### INSTALLATION STEPS (FOR NV-FLXLK-XKIT OR NV-FLX-04-XKIT EXTENDER KITS)

1. Remove the FLEX-Base and FLEX-Link/FLEX4 from packaging.
2. Must ensure cable is properly terminated before connecting any FLEX product.
3. Remove all legacy equipment from the UTP cable infrastructure.
   - **NOTE:** In order to avoid damage to endpoints, it is important that non-IP devices are not connected when you connect the FLEX-Base.
4. Connect FLEX-Base (Switch side) to downlink port on switch.
5. Connect the Network Infrastructure cable from the FLEX-Base (LRE side) to FLEX-Link/FLEX4 (LRE side).
6. Using CAT5 or higher category cable, connect the endpoint to the FLEX-Link/FLEX4 (Endpoint side).
**Cable Type** | **Data Rate** | **Reach**
---|---|---
4 pair CAT5e | 100 Mbps | 610m/2000ft
2 pair CAT5e | 100 Mbps | 300m/1000ft
2 pair CAT5e | 10 Mbps | 610m/2000ft
1 pair CAT5e | 100 Mbps | 300m/1000ft (adapter must be locally powered)

### Safety Warnings and Precautions
- Refer to the FLEX24 or FLEX8 Quick Install Guides under “Safety Warnings” for the FLEX adapters.
- Reportez-vous aux Quick Install Guides FLEX24 ou FLEX8 sous “Safety Warnings” pour les adaptateurs FLEX.
- Beachten Sie die FLEX24- oder FLEX8-Quick Install Guides unter “Safety Warnings” für die FLEX-Adapter.
- Consulte las Quick Install Guides FLEX24 o FLEX8 bajo “Safety Warnings” para los adaptadores FLEX.
- Katso FLEX24- tai FLEX8 Quick Install Guides FLEX-sovittimien "Safety Warnings" alla.
- Raadpleeg de FLEX24 of FLEX8 Quick Install Guides onder “Safety Warnings” voor de FLEX-adapters.
- Se FLEX24 eller FLEX8 Quick Install Guides under “Safety Warnings” för FLEX-adapterna.
- Se FLEX24 eller FLEX8 Quick Install Guides under “Safety Warnings” for FLEX-adaptere.
- Aparatájúatok alapján FLEX24 és FLEX8 Quick Install Guides nyomán “Safety Warnings”-hez használhatják FLEX-adapterek.
- Fare riferimento alla sezione FLEX24 o FLEX8 Quick Install Guides sotto “Safety Warnings” per gli adattatori FLEX.
- Consulte o FLEX24 ou FLEX8 Quick Install Guides em “Safety Warnings” para os adaptadores FLEX.
- Irreferi ghall-FLEX24 jew FLEX8 Quick Install Guides taht “Safety Warnings” għall-adapters FLEX.
- Vaadake FLEX24 või FLEX8 Quick Install Guides alusel “Safety Warnings” FLEX adapterid.
- A FLEX adapterek “Safety Warnings” című részében olvassa el a FLEX24 vagy a FLEX8 Quick Install Guides című részt.
- Nanałtana na FLEX24 až FLEX8 Quick Install Guides pod “Safety Warnings” za FLEX adapterjí.
- Další informace naleznete v příručkách FLEX24 nebo FLEX8 Quick Install Guides v části “Safety Warnings” pro adaptéry FLEX.
- Kreiptis į FLEX24 ar FLEX8 Quick Install Guides pagal “Safety Warnings” Už FLEX adapteriai.
- Skatiet FLEX24 vai FLEX8 Quick Install Guides zem “Safety Warnings”, lai FLEX adapteri.
- Poznajte si FLEX24 ali FLEX8 Quick Install Guides v časti “Safety Warnings” pre adaptéry FLEX.
- Sjá FLEX24 eða FLEX8 Quick Install Guides undir “Safety Warnings” fyrir FLEX-mílstykkj.
- Zobacz FLEX24 lub FLEX8 Quick Install Guides w sekcji “Safety Warnings” w przypadku adapterów FLEX.
- Se FLEX24 eller FLEX8 Quick Install Guides under “Safety Warnings” for FLEX-adaptere.
- Consultați ghidurile FLEX24 sau FLEX8 Quick Install Guides din secțiunea “Safety Warnings” pentru adaptoarele FLEX.
- Оберните се към FLEX24 или FLEX8 Quick Install Guides в “Safety Warnings” за адаптери FLEX.

### Compliance and Environmental Information
All of the compliance and environmental information is available on our website www.nvtphybridge.com.

### Technical Support
The NVT Phybridge Technical Support Group is available to assist you with product installation, configuration, monitoring and troubleshooting procedures. Should you experience trouble with this equipment or for repair or warranty information, please contact NVT Phybridge at +1 905.901.3633 or support@nvtphybridge.com.

### Warranty
The FLEX adapters are backed by NVT Phybridge’s award-winning customer support and 5-year warranty.