FLEX4 Adapter Applications

The FLEX4 adapter enables extended Ethernet and PoE reach beyond traditional distances using 1, 2 or 4 pair UTP infrastructure. When paired with the FLEX24 Switch, FLEX8 Switch or FLEX-Base Extender, the adapter delivers 10/100Mbps, symmetrical full duplex. The FLEX offering is designed specifically to enable easy deployment over Multi-Pair UTP for reaches beyond that of standard Ethernet eliminating the costs and disruption associated with IDF closet requirements.

- Paired with FLEX24, FLEX8 or FLEX-Base
- 1 uplink port and 4 downlink ports
- Up to 30W PoE per downlink port
- Local power option

FLEX4 (NV-FLX-04)

- Up to 30W PoE per downlink port
- Local power option

Technical Specifications

- 10/100Mbps (full duplex, symmetrical) & PoE++ over multi-pair UTP with 2,000ft (610M) reach.

Model Number: FLEX4
Part Number: NV-FLX-04
Dimensions: 9.8cm x 9.6cm x 2.5cm (LxWxH); 3.86" x 3.78" x 0.98" (LxWxH)
Weight: 214 g (7.6 oz.)
Interface: Network (FLEX)
- 1 RJ45 port: UTP / STP cable (1-pair, 2-pair or 4-pair)
Interface: IEEE Side (IP Device)
- 4 RJ45 ports: adapter is IEEE 802.3 af/at compliant and will negotiate power requirements with IP end device
Power Supply
- Power from the FLEX switch, or external power supply; maximum 30W (over 2-pairs) each port
Power Consumption: 1.5W
DC IN
- Optional (sold separately) 48-56VDC via an external AC/DC Power Adapter (IEC Class II isolated only)

NOTE 1: Local power supply used must have its output isolated from Earth potential.
NOTE 2: If voltage of local power supply is lower than the power voltage provided from the PoE switch, then power on the PoE switch should be turned off.

Operating Temperature
- -40°C to +70°C (-40°F to +158°F)
Mean Time Before Failure (MTBF)
- 20+ years
Humidity
- 10% to 95% (non-condensing) at 35°C
1. Remove the FLEX4 from its packaging.
2. Must ensure cable is properly terminated before connecting any FLEX product.
3. Remove all legacy equipment from the UTP cable infrastructure.

**WARNING:** Failure to follow all instructions may result in improper equipment operation and/or equipment damage.

### Safety Warnings and Precautions

- **Note:** PoE Power is shared on all 4 ports of FLEX4, to a max of 30 Watts output per port.
- In order to avoid damage to endpoints, it is important that non-IP devices are not connected when you connect the FLEX4.
- The FLEX adapters are backed by NVT Phybridge's award-winning customer support and warranty.
- 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 [www.nvtphybridge.com/support/](http://www.nvtphybridge.com/support/) or directly through email at support@nvtphybridge.com

### Specifications

- **Cat5e 2-Pairs**
- **Cat5e 4-Pairs**
- **Cat6 2-Pairs**
- **Cat6 4-Pairs**

### Compliance and Environmental Information

All the compliance and environmental information is available on our website [www.nvtphybridge.com](http://www.nvtphybridge.com).

### FLEX4 Quick Install Guide

1. Remove the FLEX4 from its packaging.
2. Must ensure cable is properly terminated before connecting any FLEX product.
3. Remove all legacy equipment from the UTP cable infrastructure.

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### Technical Support

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

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**Warning:** Failure to follow all instructions may result in improper equipment operation and/or equipment damage.

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**Equipment Damage.** Exposed plant application may result in a fire or shock hazard, and/or defective operation, and/or risk of electrical shock. Failure to follow all instructions may result in improper equipment operation and/or any connection to an outside plant lead, an off-premise application, or any other non-IP device or equipment application may result in a fire or shock hazard, and/or defective operation, and/or risk of electrical shock. The FLEX adapters are backed by NVT Phybridge's award-winning customer support and warranty.

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