(1) NVT PHYBRIDGE

1701 vs. CHARIOT

The difference between the offerings and when to use each





UNDERSTANDING THE DIFFERENCES IN CORE TECHNOLOGY CAPABILITIES

| Item | CHARIOT Family | 1701, 1801 and 1804 |
|---------------------------------------|---|---|
| Directional Bandwidth: | Bandwidth is symmetrical, full duplex, meaning when the claim is 100 Mbps that means 100Mbps up and 100Mbps down. This is more appropriate for Real-time application and applications that will have traffic both ways. | Bandwidth is dynamically allocated, half-duplex meaning that it is shared between up and down streams and one direction at a time. So, if the claim is 100Mbps that means that 100Mbps is shared up and down and that traffic could only travel in one direction at a time. It is like crossing a bridge that is narrow with a single lane and you need to alternate to get across the bridge. The technology is less appropriate for real-time application and applications that have significant traffic in both directions. As the bandwidth is dynamically allocated it is inevitably asymmetrical. |
| Bandwidth Distances: | | Declining bandwidth levels at different distances. If using the 1701 technology over RG11 cable at 3,000ft you would get up to 93Mbps dynamically allocated bandwidth and at 6,000ft the bandwidth is estimated at 60Mbps over the same cable. Beyond 6,000ft this solution will continue to deliver connectivity at a reduced rate. Maximum distance at lowest bandwidth is approximately 16,000ft at 10Mbps. |
| Response Time (Latency): | The CHARIOT Series is straight ethernet so there is no conversion of signal. As a result, the latency is very low (1ms) and more appropriate for voice and real-time video applications. | Our 1701, 1801 and 1804 technology is based on HomePlug AV (HPAV) technology and has signal conversion at both ends resulting in increased latency. Less appropriate for latency sensitive applications like voice. |
| Performance on different cable types: | When it comes to twisted pair UTP and coax the CHARIOT Series is most stable and better suited to address cross talk. However, on untwisted UTP cable the distance achievable is greatly reduced. | This offering is less suited for multiple pair UTP and environments with many bundles close to each other. It is more susceptible to cross talk impacting performance. Will perform on flat untwisted cable and mixed cable types. |
| Multicast Support: | Managed switches provide IGMP snooping and unmanaged solutions pass through multicast traffic. | 1701/TBus do not natively support Multicast. The network must be configured correctly with IGMP and must be forwarding those IGMP reports to the ports with the 1701/TBus equipment connected. |
| Portfolio Options: | We have single pair UTP, Multi Pair UTP and Coax solutions available in Managed, Unmanaged and Single Port options. All sharing the same platform. | Only single, two, three and four port extender solutions are available. |
| Daisy-Chain Configuration: | Not supported. | Supports up to 4 endpoints in series. Please note the bandwidth and power is shared by all endpoints. |
| Remote PoE: | Up to 50W of PoE to each endpoint is achievable. | Up to 50W of PoE is achievable. However, PoE is shared between all endpoints connected. |
| Summary: | For most applications, the newer CHARIoT Series wil For those situations where the right cable type is not and for daisy chain deployments our 1701, 1801 and | t available, distances beyond 6,000 ft when using coax |

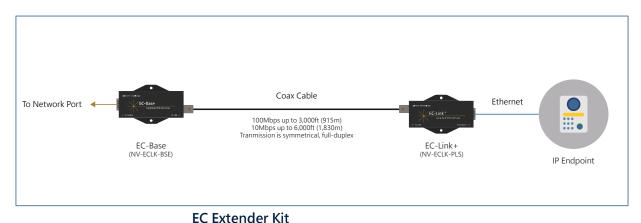
1701 vs. CHARIOT

Coax Solutions



Single Port Extender Solution - Supporting one endpoint

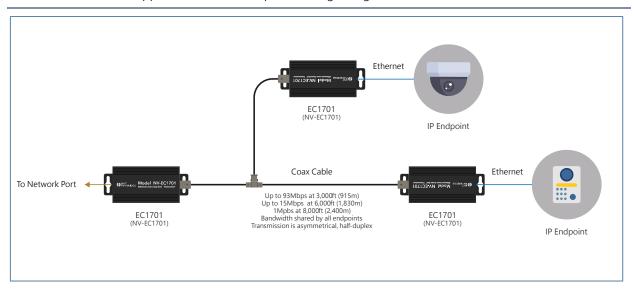
Extending one endpoint, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet.



| ltem | Alternative | 1701 Kit 1 | 1801 Alternative |
|-------------------------|--|--|--|
| List Price: | \$566.00 | \$844.00 | Will be offered at the same price as the 1701 Kit 1 |
| What is Included: | 1 x NV-ECLK-BSE, 1 x NV- ECLK-PLS, 1 x NV-PS55-60W Power Supply. | 2 x NV-EC1701, 1 x NV-PS55- 60W Power Supply, 2 x NV- PC4PR. | 2 x NV-ET1801, 1 x NV-PS55- 60W Power Supply. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 3,000ft (915m) 10Mbps to 6,000ft (1,830m) Based on RG-11 Coax Cable | Dynamically Allocated Half Duplex Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,400ft (5,000m) Based on RG-11 Coax Cable | Dynamically Allocated Half Duplex Up to 150Mbps to 490ft (150m) Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,400ft (5,000m) Based on RG-11 Coax Cable |
| PoE Capabilities: | Capable of providing up to 50W PoE. | Capable of providing up to 50W PoE. | Capable of providing up to 50W PoE. |
| General Recommendation: | Beyond 6,000ft thePoE power is similarSignificantly better | ies are better with EC Extender k 1701 can provide connectivity. | |

Single Port Daisy Chain Solution - Supporting two to four endpoints

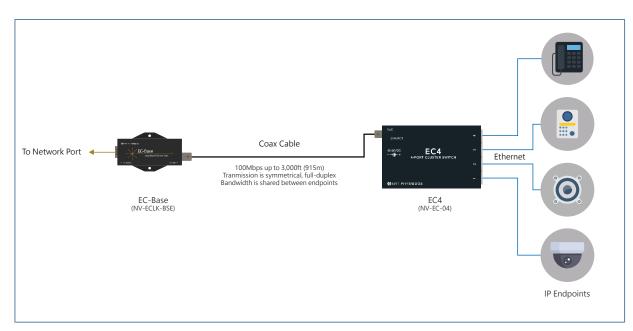
Extending two endpoints, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet to support two to four endpoints along a single Coax run.



| ltem | EC Family Alternative | 1701 K2H | 1801 Alternative |
|-------------------------|--|--|--|
| List Price: | N/A | \$1,272.00 | Will be made available at the same price of the 1701 K2H |
| What is Included: | N/A | 3 x NV-EC1701, 1 x NV-BNCT, 1 x NV-PS55-110W Power Supply, 3 x NV-PC4PR. | 3 x NV-ET1801, 1 x NV-BNCT, 1 x NV-PS55- 110W Power Supply. |
| Bandwidth Capabilities: | N/A | Dynamically Allocated Half Duplex Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,400ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints | Dynamically Allocated Half Duplex Up to 150Mbps to 490ft (150m) Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,400ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints |
| PoE Capabilities: | N/A | Capable of providing up to 50W PoE. PoE is shared by all endpoints. | Capable of providing up to 50W PoE. PoE is shared by all endpoints. |
| General Recommendation: | Need to pay atte endpoints beingNEW 1701 PLUS | deployments the 1701 or 1801 o | ability and demands of the |

Single Port Extender Solution - Supporting up to four endpoints

Extending one endpoint, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet to support up to four endpoints with a single Coax run.

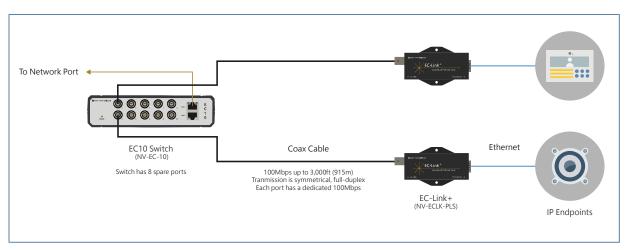


| Item | EC4 Extender Kit | 1701 K2H, K3H or K4H | 1801 Alternative |
|-------------------------|--|---|--|
| List Price: | \$775.00 | \$1,272.00/\$1,660.00/\$2,048.00 | Will be offered at same price of the 1701 offering |
| What is Included: | 1 x NV-ECLK-BSE, 1 x NV- EC-04, 1 x NV-PS55-110W Power Supply. | 3, 4 or 5 x NV-EC1701, 1 x NV-BNCT or 1 x NV-EC4BNC, 1 x NV-PS55-110W Power Supply, 3, 4 or 5 x NV-PC4PR. | 1 x NV-ET1801, 1 x NV- ET1804, 1 x NV-PS55-110W Power Supply. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 3,000ft (915m) Based on RG-11 Coax Cable. Note: Up to 4 endpoints will share the 100Mbps bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,400ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 490ft (150m) Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,400ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints |
| PoE Capabilities: | Capable of providing up to 50W PoE to EC4. EC4 can provide up to 50W per port. | Capable of providing up to 50W PoE. PoE is shared by all endpoints. | Capable of providing up to 50W PoE. PoE is shared by all endpoints. |
| General Recommendation: | EC4 Extender Kit for most applications. Bandwidth capabilities are better with EC4 Extender Kit to 3,000ft. For distances beyond 3,000ft the 1701 or 1801 can provide connectivity. PoE power is similar. Significantly better pricing for the EC4 Extender Kits. NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL | | |



Single Port Extender Solution - Supporting two endpoints with two cable runs

Extending two endpoints, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet to support two endpoints with two Coax runs.

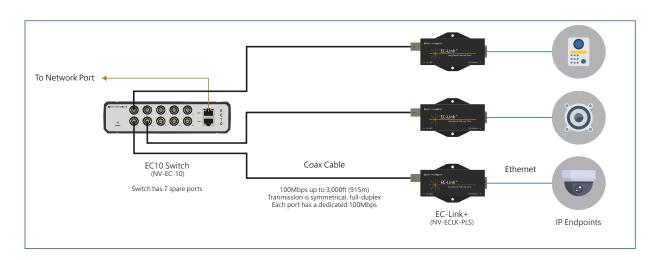


| Item | EC-10 & EC-Link+ | 1701 K2H | 1801 Alternative |
|-------------------------|--|---|--|
| List Price: | \$1,696.00 | \$1,272.00 | Offered at same price as 1701 K2H |
| What is Included: | 1 x NV-EC-10 with 1 x NV-PS55-165W Power Supply, 2 x NV-ECLK-PLS. (Not sold as a kit). | 3 x NV-EC1701, 1 x NV-BNCT, 1 x NV-PS55-110W Power Supply, 3 x NV-PC4PR. | 3 x NV-ET1801, 1 x NV-BNCT, 1 x NV-PS55-110W Power Supply. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 3,000ft (915m) Based on RG-11 Coax Cable. Note: Each port supports 100Mbps full duplex with no sharing of bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,404ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 490ft (150m) Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,404ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints |
| PoE Capabilities: | Capable of providing up to 30W PoE to each EC-Link+ and endpoint. | Capable of providing up to 50W PoE. PoE is shared across all EC1701 and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | EC-10 & EC-Link+ for most applications. Bandwidth Capabilities are better with EC-10 & EC-Link+ to 3,000ft. Beyond 3,000ft the EC Extender kits can be used; however, a network port is required for each kit. Beyond 6,000ft the 1701 or 1801 can provide connectivity. PoE is better with the EC-10 as 30W per port can be delivered. With the 1701 and 1801 the PoE is shared. Pricing is better with the 1701 kit. However, the EC-10 provides far better scalability. NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL | | |



Single Port Extender Solution - Supporting three endpoints with three cable runs

Extending three endpoints, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet to support three endpoints with three Coax runs.



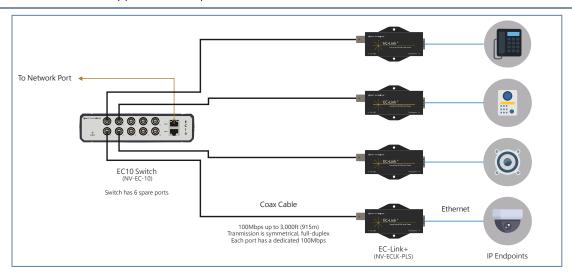
| ltem | EC-10 & EC-Link+ | 1701 K3H | 1801 Alternative |
|-------------------------|--|---|--|
| List Price: | \$1,944.00 | \$1,660.00 | Offered at same price of 1701 K3H |
| What is Included: | 1 x NV-EC-10 with 1 x NV- PS55-165W Power Supply, 3 x NV-ECLK-PLS (Not sold as a kit). | 4 x NV-EC1701, 1 x NV- EC4BNC, 1 x NV-PS55-110W Power Supply, 4 x NV-PC4PR. | 1 x NV-ER1804, 3 x NV- ET1801, 1 x NV-PS55-110W Power Supply. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 3,000ft (915m) Based on RG-11 Coax Cable. Note: Each port supports 100Mbps full duplex with no sharing of bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,404ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 490ft (150m) Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,404ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints |
| PoE Capabilities: | Capable of providing up to 30W PoE to each EC-Link+ and endpoint. | Capable of providing up to 50W PoE. PoE is shared across all EC1701 and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | EC-10 & EC-Link+ for most applications. Bandwidth Capabilities are better with EC-10 & EC-Link+ to 3,000ft. Beyond 3,000ft the EC Extender kits can be used; however, a network port is required for each kit. Beyond 6,000ft the 1701 or 1801 can provide connectivity. PoE is better with the EC-10 as 30W per port can be delivered. With the 1701 and 1801 the PoE is shared. Pricing is better with the 1701 kit. However, the EC-10 provides far better scalability. | | |



NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL

Single Port Extender Solution - Supporting four endpoints with four cable runs

Extending four endpoints, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet to support four endpoints with four Coax runs.



| Item | EC-10 & EC-Link+ | 1701 K4H | 1801 Alternative |
|-------------------------|---|---|--|
| List Price: | \$2,192.00 | \$2,048.00 | Offered at the same price as 1701 K4H |
| What is Included: | 1 x NV-EC-10 with 1 x NV- PS55-165W Power Supply, 4 x NV-ECLK-PLS (Not sold as a kit). | 5 x NV-EC1701, 1 x NV- EC4BNC, 1 x NV-PS55-110W Power Supply, 5 x NV-PC4PR. | 1 x NV-ER1804, 4 x NV- ET1801, 1 x NV-PS55-110W Power Supply. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 3,000ft (915m) Based on RG-11 Coax Cable. Note: Each port supports 100Mbps full duplex with no sharing of bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,404ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 490ft (150m) Up to 93Mbps to 4,900ft (1,500m) Up to 10Mbps to 16,404ft (5,000m) Based on RG-11 Coax Cable Note: Bandwidth available shared by all endpoints |
| PoE Capabilities: | Capable of providing up to 30W PoE to each EC-Link+ and endpoint. | Capable of providing up to 50W PoE. PoE is shared across all EC1701 and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | Beyond 3,000ft the | 1701 or 1801 for dista ties are better with EC-10 & EC-L EC Extender kits can be used; ho t. Beyond 6,000ft the 1701 can p | wever, a network port is |

PoE is better with the EC-10 as 30W per port can be delivered. With the 1701 and 1801 the PoE is shared.

(1) NVT PHYBRIDGE

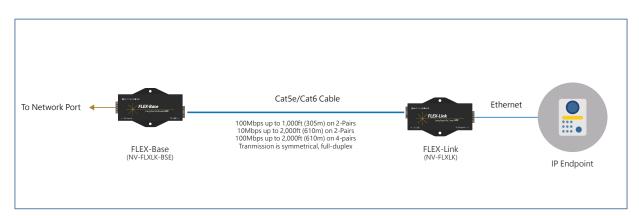
1701 vs. CHARIOT

Twisted Pair / 2-Wire



Single Port Extender Solution - Supporting one endpoint

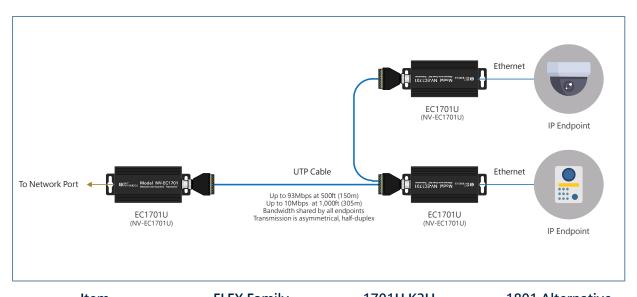
Extending one endpoint, leveraging the downlink port of a data switch, and using twisted pair cabling infrastructure to extend Ethernet.



| Item | FLEX Extender Kit | 1701U Kit 1 | 1801 Alternative |
|-------------------------|---|---|---|
| List Price: | \$667.00 | \$785.00 | Same price as 1701 offering |
| What is Included: | 1 x NV-FLXLK-BSE, 1 x NV- FLXLK, 1 x NV-PS55-60W Power Supply. | 2 x NV-EC1701U, 1 x NV- PS55-60W Power Supply, 2 x NV-PC4PR. | 2 x NV-ET1801, 1 x NV-PS55- 60W Power Supply, 2 x NV- BNCA. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 2,000ft (610m) Based on Cat5e UTP Cable. | Dynamically Allocated Half Duplex Up to 93Mbps to 490ft (150m) Up to 10Mbps to 980ft (300m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 50ft (15m) Up to 93Mbps to 490ft (150m) Up to 10Mbps to 2,000ft (610m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. |
| PoE Capabilities: | Capable of providing up to 50W PoE. | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | FLEX Extender Kit for most applications. Bandwidth capabilities are better with FLEX Extender Kit. FLEX Extender Kit has greater reach, 2,000ft. PoE power is similar. Significantly better pricing for the FLEX Extender Kits. NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL | | |

Single Port Daisy Chain Solution - Supporting two to four endpoints

Extending two endpoints, leveraging the downlink port of a data switch, and using twisted pair cabling infrastructure to extend Ethernet to support two to four endpoints along a single cable run.

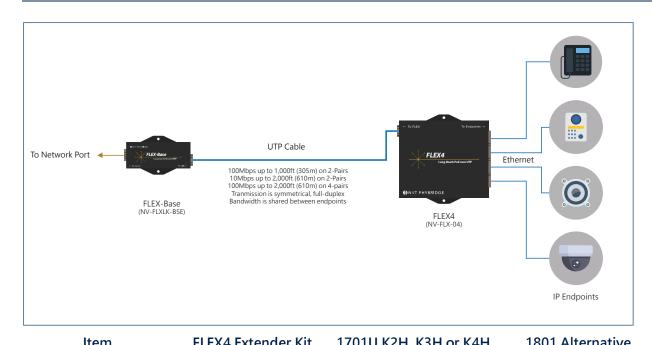


| Item | FLEX Family | 1701U K2H | 1801 Alternative |
|-------------------------|---|---|---|
| List Price: | N/A | \$1,182.00 | Will be made available at the same price of the 1701 K2H |
| What is Included: | N/A | 3 x NV-EC1701U, 1 x NV- PS55-110W Power Supply, 3 x NV-PC4PR. | 3 x NV-ET1801, 1 x NV-PS55- 110W Power Supply, 3 x NV- BNCA. |
| Bandwidth Capabilities: | N/A | Dynamically Allocated Half Duplex Up to 93Mbps to 490ft (150m) Up to 10Mbps to 980ft (300m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 50ft (15m) Up to 93Mbps to 490ft (150m) Up to 10Mbps to 2,000ft (610m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. |
| PoE Capabilities: | N/A | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | CHARIOT product range does not support daisy-chained devices. | 1701U or 1801 are the o | options for this scenario. |

- For Daisy Chain deployments the 1701U offering is the most appropriate.
- Need to pay attention to shared bandwidth availability and demands of the endpoints being connected.
- NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL

Single Port Extender Solution - Supporting up to four endpoints

Extending one endpoint, leveraging the downlink port of a data switch, and using twisted pair cabling infrastructure to extend Ethernet to support up to four endpoints with a single cable run.



| item | FLEX4 Extender Kit | 17010 K2H, K3H or K4H | 1801 Alternative |
|-------------------------|---|---|---|
| List Price: | \$825.00 | \$1,182.00/\$1,541.00/\$1,900.00 | Will be offered at same price of the 1701 offering |
| What is Included: | 1 x NV-FLXLK-BSE, 1 x NV- FLX-04, 1 x NV-PS55-110W Power Supply. | 3, 4 or 5 x NV-EC1701U, 1 x PS55-110W Power Supply, 3, 4 or 5 x NV-PC4PR. | 1 x NV-ET1801, 1 x NV- ET1804, 1 x NV-PS55-110W Power Supply, 2 x NV-BNCA. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 2,000ft (610m) Based on Cat5e UTP Cable. Note: Up to 4 endpoints will share the 100Mbps bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 490ft (150m) Up to 10Mbps to 980ft (300m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 50ft (15m) Up to 93Mbps to 490ft (150m) Up to 10Mbps to 2,000ft (610m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. |
| PoE Capabilities: | Capable of providing up to 50W PoE to FLEX4. FLEX4 can provide up to 30W per port. | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |



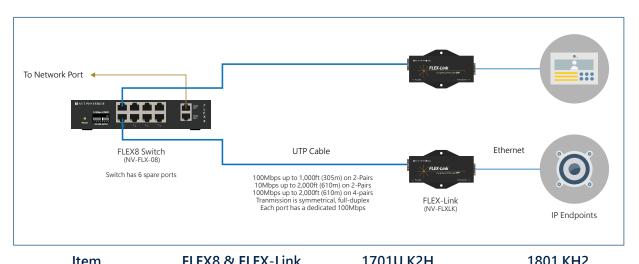
General Recommendation:

FLEX4 Extender Kit for most applications.

- Bandwidth capabilities are better with FLEX4 Extender Kit.
- FLEX4 Extender Kit has greater reach, 2,000ft.
- PoE power is similar.
- Significantly better pricing for the FLEX4 Extender Kits.
- NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS
 AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL

Single Port Extender Solution - Supporting two endpoints with two cable runs

Extending two endpoints, leveraging the downlink port of a data switch, and using twisted pair cabling infrastructure to extend Ethernet to support two endpoints with two cable runs.

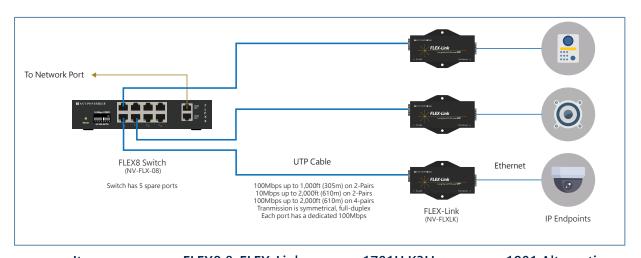


| Item | FLEX8 & FLEX-LINK | 1701U K2H | 1801 KH2 |
|-------------------------|---|---|---|
| List Price: | \$2,046.00 | \$1,182.00 | Offered at same price as 1701 K2H |
| What is Included: | 1 x NV-FLX-08 with 1 x NV- PS55-190W Power Supply, 2 x NV-FLXLK (Not sold as a kit). | 3 x NV-EC1701U, 1 x 55VDC- 110W Power Supply, 3 x NV- PC4PR. | 1 x NV-ER1804, 2 x NV- ET1804, 1 x NV-PS55-110W Power Supply, 4 x NV-BNCA. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 2,000ft (610m) Based on Cat5e UTP Cable. Note: Up to 8 endpoints will each have 100Mbps bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 490ft (150m) Up to 10Mbps to 980ft (300m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 50ft (15m) Up to 93Mbps to 490ft (150m) Up to 10Mbps to 2,000ft (610m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. |
| PoE Capabilities: | Capable of providing up to 50W PoE to each FLEX-Link and endpoint. | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | FLEX8 & FLEX-Link for most applications. | | |

- Bandwidth Capabilities are better with FLEX8 & FLEX-Link.
- FLEX8 & FLEX-Link has greater reach, 2,000ft.
- PoE is better with the FLEX8 as 50W per port can be delivered. With the 1701U best case only 25W per endpoint is achievable.
- Pricing is better with the 1701U kit. However, the FLEX8 provides far better scalability.
- NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS
 AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL

Single Port Extender Solution - Supporting three endpoints with three cable runs

Extending three endpoints, leveraging the downlink port of a data switch, and using twisted pair cabling infrastructure to extend Ethernet to support three endpoints with three cable runs.



| ltem | FLEX8 & FLEX-Link | 1701U K3H | 1801 Alternative |
|-------------------------|---|---|---|
| List Price: | \$2,344.00 | \$1,541.00 | Offered at same price of 1701 K3H |
| What is Included: | 1 x NV-FLX-08 with 1 x NV- PS55-190W Power Supply, 3 x NV-FLXLK (Not sold as a kit). | 4 x NV-EC1701U, 1 x 55VDC- 110W Power Supply, 4 x NV- PC4PR. | 1 x NV-ER1804, 3 x NV- ET1804, 1 x NV-PS55-110W Power Supply, 6 x NV-BNCA. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 2,000ft (610m) Based on Cat5e UTP Cable. Note: Up to 8 endpoints will each have 100Mbps bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 490ft (150m) Up to 10Mbps to 980ft (300m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 50ft (15m) Up to 93Mbps to 490ft (150m) Up to 10Mbps to 2,000ft (610m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. |
| PoE Capabilities: | Capable of providing up to 50W PoE to each FLEX-Link and endpoint. | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |

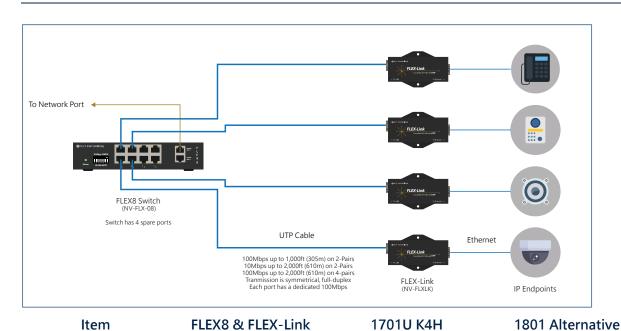


FLEX8 & FLEX-Link for most applications.

- Bandwidth capabilities are better with FLEX8 & FLEX-Link.
 - FLEX8 & FLEX-Link has greater reach, 2,000ft.
- **General Recommendation:**
- PoE is better with the FLEX8 as 50W per port can be delivered. With the 1701U best case only 25W per endpoint is achievable.
- Pricing is better with the 1701U kit. However, the FLEX8 provides far better scalability.
- NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS
 AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL

Single Port Extender Solution - Supporting four endpoints with four cable runs

Extending four endpoints, leveraging the downlink port of a data switch, and using Coax cabling infrastructure to extend Ethernet to support four endpoints with four Coax runs.



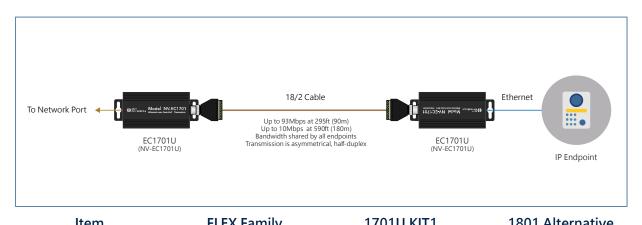
| List Price: | \$2,642.00 | \$1,990.00 | Offered at the same price as 1701 K4H |
|-------------------------|---|---|---|
| What is Included: | 1 x NV-FLX-08 with 1 x NV- PS55-190W Power Supply, 4 x NV-FLXLK (Not sold as a kit). | 5 x NV-EC1701U, 1 x 55VDC- 110W Power Supply, 5 x NV- PC4PR. | 1 x NV-ER1804, 4 x NV- ET1804, 1 x NV-PS55-110W Power Supply, 8 x NV-BNCA. |
| Bandwidth Capabilities: | Symmetrical Full Duplex 100Mbps to 2,000ft (610m) Based on Cat5e UTP Cable. Note: Up to 8 endpoints will each have 100Mbps bandwidth. | Dynamically Allocated Half Duplex Up to 93Mbps to 490ft (150m) Up to 10Mbps to 980ft (300m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 50ft (15m) Up to 93Mbps to 490ft (150m) Up to 10Mbps to 2,000ft (610m) Based on Cat5e UTP Cable Note: Bandwidth available shared by all endpoints. |



| PoE Capabilities: | Capable of providing up to 50W PoE to each FLEX-Link and endpoint. | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. | |
|-------------------------|--|--|--|--|
| General Recommendation: | FLEX8 & FLEX-Link for most applications. Bandwidth capabilities are better with FLEX8 & FLEX-Link. FLEX8 & FLEX-Link have greater reach of 2,000ft. PoE is better with the FLEX8 Pricing is better with the 1701U kit. However, the FLEX8 provides far better scalability, NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL | | | |

Single Port Extender Solution - Supporting one endpoint

Extending one endpoint, leveraging the downlink port of a data switch, and using untwisted pair / 2-wire cabling infrastructure to extend Ethernet.



| Item | FLEX Family | 1701U KITT | 1801 Alternative |
|-------------------------|---|---|--|
| List Price: | N/A | \$785.00 | Same price as 1701 offering |
| What is Included: | N/A | 2 x NV-EC1701U, 1 x NV- PS55-110W Power Supply, 2 x NV-PC4PR. | 2 x NV-ET1801, 1 x NV-PS55- 110W Power Supply, 2 x NV- BNCA. |
| Bandwidth Capabilities: | N/A | Dynamically Allocated Half Duplex Up to 93Mbps to 295ft (90m) Up to 10Mbps to 590ft (180m) Based on 18/2 Cable Note: Bandwidth available shared by all endpoints. | Dynamically Allocated Half Duplex Up to 150Mbps to 32ft (10m) Up to 93Mbps to 328ft (100m) Up to 10Mbps to 1,600ft (500m) Based on 18/2 Cable Note: Bandwidth available shared by all endpoints. |
| PoE Capabilities: | N/A | Capable of providing up to 50W PoE. PoE is shared across all EC1701U and endpoint devices. | Capable of providing up to 50W PoE. PoE is shared across all ET1801 and endpoint devices. |
| General Recommendation: | CHARIoT product range does not support untwisted / 2-wire cable | 1701U or 1801 are the onl | y options for this scenario. |



- For deployments on untwisted or 2-wire cable the 1701U offering is most appropriate.
- Need to pay attention to shared bandwidth availability and demands of the endpoints being connected.
- NEW 1701 PLUS WILL BE AVAILABLE SOON WITH LAUNCH DISCOUNTS AVAILABLE FOR THOSE WILLING TO WAIT UNTIL MARCH/APRIL