

## CLEER FAMILY ADAPTER OPTIONS

### EC Adapter Options

There are three media converter options available to pair with the CLEER24, EC10, and EC-Base Extender to extend PoE over Coax. The EC-Link and EC Link+ are single endpoint solutions and the EC4 enables 4 IP endpoints from a single long Coax cable.

EC-Link



EC-Link+



EC4



	EC-Link	EC-Link+	EC4
Power	<ul style="list-style-type: none"> <li>Maximum 30W, delivered on 2-pairs (spare pairs)</li> <li>Local power option</li> <li>Does not negotiate power requirements with IP device</li> <li>Device should be IEEE 802.3 af/at compliant</li> </ul>	<ul style="list-style-type: none"> <li>Maximum 50W (If locally powered and 30W if power provided from switch) delivered on 4 pairs</li> <li>Local power option</li> <li>Adapter is IEEE 802.3af/at compliant and will negotiate power requirements with IP device.</li> </ul>	<ul style="list-style-type: none"> <li>Maximum 50W, delivered on 4 pairs (local power required)</li> <li>Local power option to support greater power delivery to IP devices</li> <li>Does not negotiate power requirements with IP device</li> <li>Device must be IEEE 802.3 af/at compliant.</li> </ul>
Casing	Plastic	Metal	Plastic
EN 50121-4 Standard	Yes – approved to operate in a railway/subway environment		

### EC Adapters Technical Specifications

Model Number	EC-Link	EC-Link+	EC4
Part Number	NV-LNK-02	NV-ECLK-PLS	NV-EC-04
Dimensions	8.8cm x 3.2cm x 2.1cm (LxWxH); 3.46" x 1.23" x 0.83" (LxWxH)	10.09cm x 5.03cm x 2.57cm (LxWxH); 3.97" x 1.98" x 1.01" (LxWxH)	11cm x 7cm x 2.5cm (LxWxH); 4.3" x 2.75" x 0.98" (LxWxH)
Weight	42g (1.48oz.)	108g (3.81oz.)	96g (3.38oz.)
Interface: Network Infrastructure side (CLEER)	1 BNC port: Coax cable (RG59, RG6, RG11)	1 BNC port: Coax cable (RG59, RG6, RG11)	1 BNC port: Coax cable (RG59, RG6, RG11)
Interface: IEEE Side (IP Device)	1 RJ45 port; device should be IEEE 802.3 af/at compliant	1 RJ45 port; adapter is IEEE 802.3af/at compliant and will negotiate power requirements with IP end device.	4 RJ45 ports: device must be IEEE 802.3 af/at compliant, 10/100Mbps connection to IP end device
Power Supply	PoE from the CLEER / EC switch or local power from EC-Base, maximum 30W (over 2-pairs)	Maximum 50W (If locally powered and 30W if power provided from switch) delivered on 4 pairs.	PoE from the CLEER / EC switch, or external power supply; maximum 50W (over 4-pairs) each port
DC IN (Barrel Connector)	Optional (sold separately) 48V – 56VDC via an external AC/DC Power Adapter with phoenix connector (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.	Optional (sold separately) 48V – 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.	Optional (sold separately) 48V – 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.
Power Consumption	0.9W	1.1W	1W
Operating Temperature	-58°F to +158°F (-50°C to +70°C) Tests conducted against international safety standard at maximum ambient temperatures of 50°C	-58°F to +158°F (-50°C to +70°C) Tests conducted against international safety standard at maximum ambient temperatures of 60°C at 30W and 55°C at 50W	-58°F to +158°F (-50°C to +70°C) Tests conducted against international safety standard at maximum ambient temperatures of 50°C
Mean Time Before Failure (MTBF)	20+ years	20+ years	20+ years
Humidity	10% to 95% (non-condensing) at 35° C	10% to 95% (non-condensing) at 35° C	10% to 95% (non-condensing) at 35° C