Hybrid Acces Node HAN E3 – 2 port PoE Extender

Termination Box for the Hexatronic InOne System - Medium

Features

- Remote Powered by Hexatronic InOne Powered Fiber System

Network:

- Preinstalled with 2-port IP65 10/100/1000BASE-T RJ45 with auto MDI / MDI-X function
- 2 SFP Port, 100Base-FX or 1000Base-X dual mode (auto detection)
- Supports IEEE802.3af/at PoE+ (30W) or IEEE802.3bt PoE++ (90W)
- Supports Link Fault Pass Through
- Supports Full/Half-duplex, Auto-negotiation
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Stabilized and protected power 150 W, 48/57 Vdc
  Easy power termination and fiber splicing off several hybrid cables, enables a central powered

- fiber network by daisy chain and branch out.
- Splice tray for robust fiber termination
- Power inlet is designed with blocking functionality with faulty polarity connection detection. LED at power inlet indicate correct polarity and powering
- Compact design, WxHxD 195x275x85 mm
- Wall or pole mounting

Application

The Hybrid terminaton box is a part of Hexatronics Powered Fiber System and is optimized for field termination of Hybrid Micro cables. The termination box is designed to be mounted on walls or pole and is weather protected to IP65.

The HAN E3 PoE extender is preinstalled with a 2-port industrial media converter which supports PoE++ as well. Contact Hexatronic for full specifications.

Design

Hybrid cable termination is carried out with fiber splicing towards a fiber optic pigtail or cable extensions in a compact splice tray. Termination of power wires from 110 Vdc hybrid cables as well as the connection between 57 Vdc power supply are done with screw termination blocks on the PCB. Two power termination blocks for outgoing hybrid cables enables easy extension for daisy chain and branch out of the network. Cable strength members are secured by strain relief on the PCB.

The stepdown DC/DC power unit secures stabilized 57 Vdc for the media converter.

The 2 RJ45 external ports are located on the bottom side of the box in a IP68 rated gland.

The termination unit is made of aluminum, sealed by gasket and equipped with multihole cable glands for hybrid and Copper LAN cables.

The cast aluminium cabinet is designed to dissipate the heat from the active components, it is watertight according to IP65, and can also be fitted with an optional sun-shield for extremely hot environments.The cast aluminium cabinet is designed the dissipate the heat from the active components, it is watertight according to IP65, and can also be fitted with an optional sun-shield for extremely hot environments.

Product Information

Technical Information

Product Color	Silver grey
IP Rating	IP65
Certifications	CE

Technical Notes

- Fiber organizer capacity: 12 single splice sleeves
- DC Input Range: 43-120 Vdc
- DC Output Voltage: 48/57 Vdc
- Rated Power: 150 W
- Short Circuit Protection: Yes, auto recovery
- Overtemp. Protection: Yes, auto recovery
- Over Voltage Protection: Yes, according to ITU-T K.45
- Terminal blocks: Wire size 3.0 mm² max

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Installation Notes

In regions with intense sun we strongly recommend to add a sunshield (optional part).

Articles 1

Article name	Dimensions [mm]	Weight [kg]	
Hybrid Acces Node HAN E3 – 2 port PoE Extender HNCD520252/3	195 × 275 × 85	3	