Hybrid Acces Node HAN E10 – 150W

Termination Box for the Hexatronic InOne System - Large

Features

- Remote Powered by Hexatronic InOne Micro Hybrid System
- Stabilized and protected power 150 W, 48 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
- Dedicated area with several options for mounting of managed switches or media converters
- Compact design, WxHxD 275x378x116 mm
- Wall or pole mounting

Application

The Hybrid terminaton box is a part of Hexatronics Powered Fibre 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 E10 is prepared for mounting of industrial Switches. 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 48 Vdc power supply are done with lever push-in connection 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 48 Vdc for the local powered unit. For PoE+ switches a jumper setting on the PCB rise the voltage to 57Vdc.
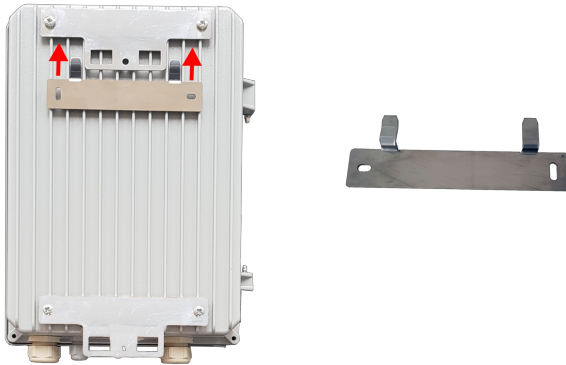LAN cables from the internal media switch is routed from the switch to multihole cable gland.
Dedicated area with several mounting options for various sizes of small PoE media switches up to Cisco IE3200 types.
The termination unit is made of aluminum, sealed by gasket and equipped with multihole cable 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.

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 6.0 mm² max
Installation Notes	In regions with intense sun we strongly recommend to add a sunshield (optional part).

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Article name	Dimensions [mm]	Weight [kg]
Hybrid Access Node E10 ALU-IP65 I50W HNCD520242/1	275 × 378 × 116	3.5
InOne Sun Shield E10 HNCD520242/20	–	2
HAN-E10 Auxiliary Tray + Lid sensor HNCD520242/60	245x100x150	1.4