



# Hybrid Access Node HAN E10s – 480W

**High Power Termination Box for the Hexatronic InOne System - Large with lock**

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## Features

- Remote Powered by Hexatronic InOne Micro Hybrid System
- Stabilized and protected power 480 W, 48 Vdc and/or 24 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
- Assa cylinder (not included) and protection against hinge cut
- Dedicated place for grade 3 magnetic sensor and seismic sensor.
- 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
- Voltage and Current sensor

## Application

The Hybrid termination 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 E10s 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.

Built in voltage and current sensors for monitoring on both output.

The stepdown DC/DC power unit secures stabilized 48 Vdc and/or 24 Vdc for the local powered unit on two outputs. A 10% power boost is selectable with a switch on the PCB to rise the output voltage for PoE+ switches.

LAN cables from the internal media switch is routed from the switch to multihole cable gland.

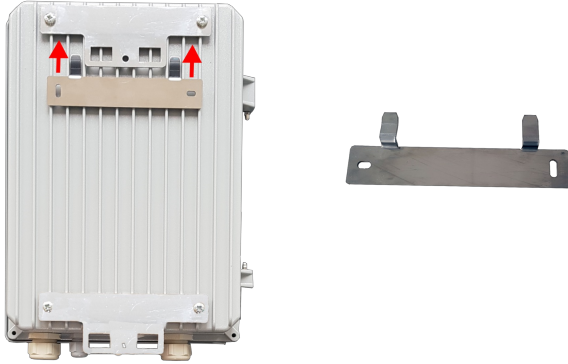
Dedicated area with several mounting options for various sizes of small PoE media switches up to Cisco IE3200 types.

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.

The cabinet is designed with dedicated place for grade 3 magnetic sensor, seismic sensor and an auxiliary tray to mount on a data acquisition module for monitoring.

## Product Information



## Technical Information

<b>Product Color</b>	Silver grey
<b>IP Rating</b>	IP65
<b>Certifications</b>	CE

## Technical Notes

- Fiber organizer capacity: 12 single splice sleeves
- DC Input Range: 43-120 Vdc
- DC Output Voltage: 48/53 Vdc and/or 24 Vdc
- Rated Power: 480 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 mm<sup>2</sup> max
- Assa cylinder (not included)
- Optional grade 3 magnetic sensor (EN 50131-2-6 Grade 3)
- Optional seismic sensor (EN 50130-4, EN 50130-5 class IIIA)

## Installation Notes

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

## Technical Details

Form factor	Part number	Output1		Output2	
		Vdc	W	Vdc	W
E10s	HNCD520242/70AA	48	240	48	240
E10s	HNCD520242/70AB	48	240	24	240
E10s	HNCD520242/70BB	24	240	24	240

*\*10% voltage boost available with a switch on the PCB for both output*

## Articles 4

Article name	Layout	Dimensions [mm]	Weight [kg]
<b>Hybrid Access Node E10s ALU-IP65 480W</b> HNCD520242/70AA	48 Vdc - 48 Vdc	275 × 378 × 116	3.5
<b>Hybrid Access Node E10s ALU-IP65 480W</b> HNCD520242/70AB	48 Vdc - 24 Vdc	275 × 378 × 116	3.5
<b>Hybrid Access Node E10s ALU-IP65 480W</b> HNCD520242/70BB	24 Vdc - 24 Vdc	275 × 378 × 116	3.5
<b>InOne Sun Shield E10</b> HNCD520242/20	–	–	2