ViaLiteHD® – ODE-MINI

Small Outdoor Enclosure

- **Houses 2x *ViaLite* links up to 4.2 GHz or 1x C-Band link 500 MHz to 7.5 GHz**
- **SNMP management option**
- **Gigabit Ethernet switch option**
- **LNA/B powering option**
- **Waterproof Power, Fiber and Ethernet outdoor connectors**
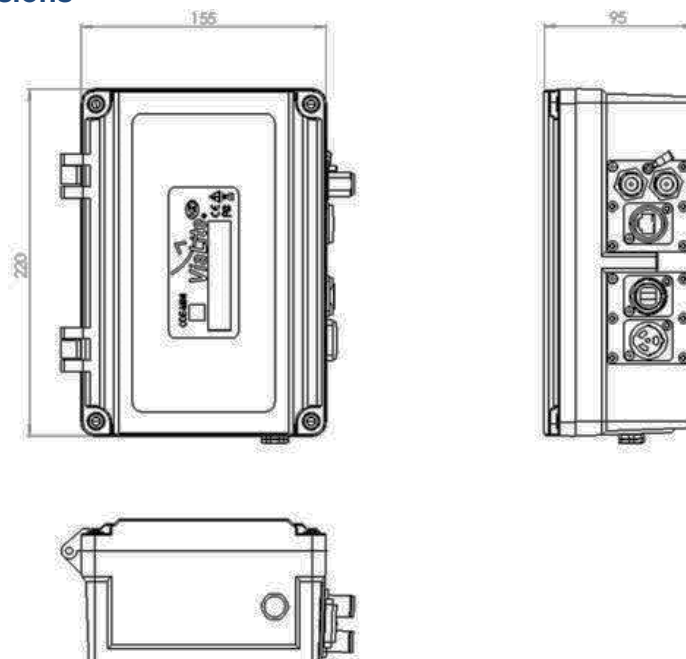- **Compact, IP65 rated enclosure**
- **Standard 5-year warranty**

The ***ViaLiteHD*** ODE-MINI is a versatile enclosure designed for compact locations. The enclosure is cast aluminium and has an IP65 ingress protection rating. It is typically installed on a rooftop or antenna hub where RF and other services are transmitted over optical fiber to a remote equipment room. With options for fully integrated SNMP, Mini Ethernet Switch and LNA/B power, this enclosure is class leading for its size and cost.

Options

- Houses 1x C-Band Link up to 7.5 GHz or 2x Blue OEM modules for any ***ViaLite*** RF link up to 4.2 GHz (including L-Band HTS)
- 3 port mini gigabit Ethernet switch supporting 1x Optical SFP and 2 x RJ45 ports
- LNA/B Power board supporting 13,15,18, 24 VDC feeds power to external devices through RF connection
- SNMP management allowing module configuration and monitoring
- Dual redundant PSUs supported (if Ethernet switch is not fitted).
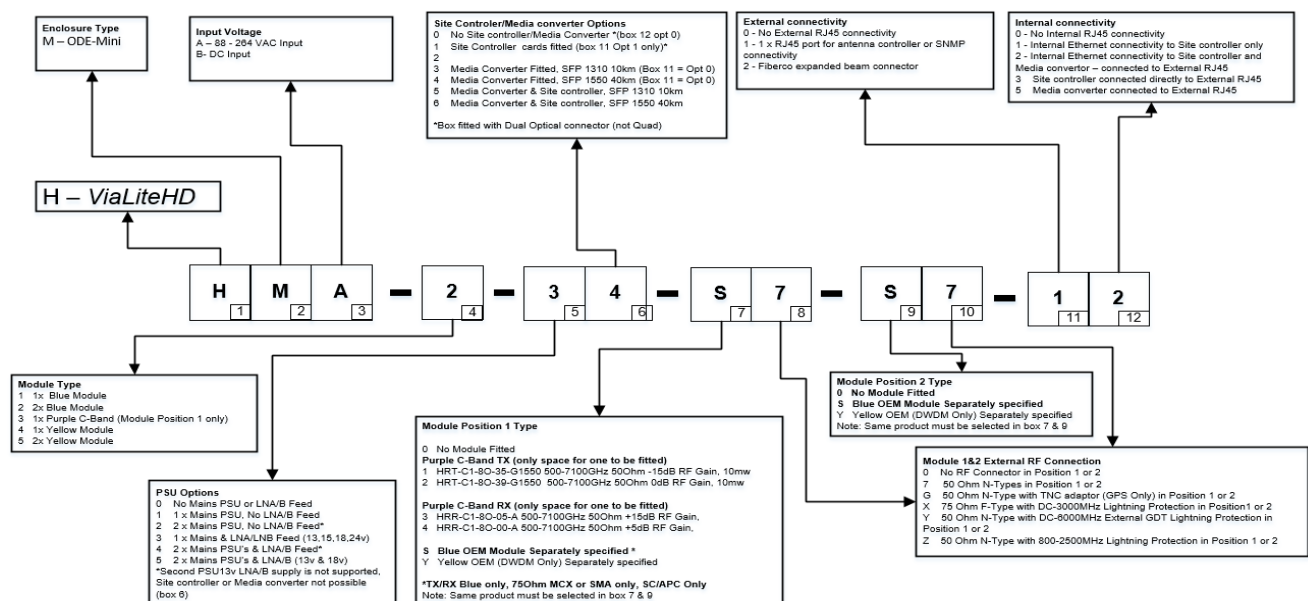
Enclosure dimensions

Due to our policy of continuing product development, these specifications are subject to change and improvement without notice.

Technical specifications

Parameter	ODE-MINI Enclosure
Number of RF channels	2x Links to 4.2 GHz or 1x C-Band Link to 7.5 GHz
IP Rating	IP65
External Dimensions	220 x 155 x 95 mm
Weight	2.65 kg
Material	Cast aluminium
RF Input / Output Connectors	N-Type female weatherproof
Optical Fiber Connections	Quad single mode connector Neutrik
Power Supply Connections	Neutrik power connector
PSU Options	Single or dual redundant
Supply Voltage Options	88-264 VAC
Operating Temperature	-20 to +60 °C
Storage Temperature	-40 °C to +70 °C
Climate Control	Humidity ventilator
Parameter	LNB Voltage Source Specifications
Output Voltage	13,15,18, 24 VDC
Output Power	13.5 W
Voltage Tolerance	+/- 2 %
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Ripple & Noise	< 120 mV P-P

Popular products

HMA-2-35-S7-S7-12

ODE-MINI, 88-264 VAC input, 2 x Blue Modules (L-Band), Media Converter & Site Controller SFP 1310 km, 1# Separately Specified Blue Module, 1# 50 Ohm N-Type, 2# Separately Specified Blue Module, 2# 50 Ohm N-Type, RJ45 Port for Antenna Controller or SNMP Connectivity, Internal Ethernet Connectivity to Site Controller and Media Convertor – Connected to External RJ45

Product specifications

Separately ordered accessories

Fiber Termination Box (4-Way)

To ease the installation process any multicore optical fiber can be terminated in the accompanying patch box. As standard, the patch cable presents SC/APC connections within the patch box (see picture).

Internal termination options
54886 – SC/APC to FC/APC
54888 – SC/APC to SC/APC
54889 – SC/APC to LC/APC
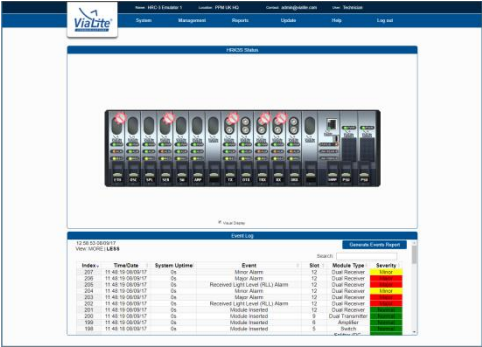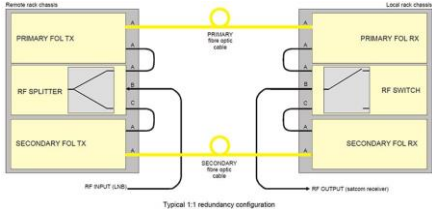
ODE-A4 optical cable options

Quad waterproof light duty (no cable management reel)
F04-Q-3F-Q8-0001	Quad Waterproof connector to SC/APC 1 m SC/APC Connector
F04-Q-3F-Q8-0003	Quad Waterproof connector to SC/APC 3 m SC/APC Connector
F04-Q-3F-Q8-0010	Quad Waterproof connector to SC/APC 10 m SC/APC Connector
F04-Q-3F-Q8-0020	Quad Waterproof connector to SC/APC 20 m SC/APC Connector
F04-Q-3F-Q8-0050	Quad Waterproof connector to SC/APC 50 m SC/APC Connector
F04-Q-3F-Q8-0100	Quad Waterproof connector to SC/APC 100 m SC/APC Connector

Quad waterproof heavy duty (with cable management reel)
F04-R-5F-Q8-0050	Quad Waterproof connector to SC/APC 50 m SC/APC Connector
F04-R-5F-Q8-0100	Quad Waterproof connector to SC/APC 100 m SC/APC Connector
F04-R-5F-Q8-0150	Quad Waterproof connector to SC/APC 150 m SC/APC Connector
F04-R-5F-Q8-0200	Quad Waterproof connector to SC/APC 200 m SC/APC Connector

Accessories

Type	Key Features
SNMP/Web Browser Card	• Easy to use graphical user interface (GUI) • Real time monitoring of card performance • Alarm monitoring and event logging • Control of gain adjustment • Compatible with all *ViaLiteHD* rack chassis and cards • Easy integration with network management systems (NMS) using management information base (MIB) tables • Actively manage redundancy switching • New RF cards can be automatically reprogrammed with the previous card parameters • Remote SNMP to local SNMP connection via optical fiber • Provides remote LAN 10/100 Ethernet link
Dual Redundancy	• 1:1 redundancy for L-Band • Maximises link up-time • Can be used to backup copper coax • Manual and automatic control via SNMP • Flexible configuration options • Other redundancy options available
Rack Chassis	• 3U accepts up to 13 RF or Support cards, plus an SNMP card and dual power supplies • A 1U chassis accepts up to 3 RF or Support cards or 2 cards and an SNMP card (with dual power supplies) • Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required • Blind mate option • All modules hot-swappable and auto-reconfigure with SNMP option • On-card LNB and BUC power options • Power fed through rear chassis connector to card Bias Tees • System can be monitored and controlled remotely via SNMP using a web browser
Outdoor Enclosures	Further enclosures available: • CE approved and EMC compatible • IP rated and NEMA approved • Plug and play format • Suitable for harsh environments • All modules hot swappable • Dual redundant power options • Interface for monitor and control (M&C) systems