RF Over Fiber Systems
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
TECHNICAL SPECIFICATIONS

**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**: 88-264 VAC
- **Supply Voltage Options**: 12,13,15,18, 24 VDC
- **Operating Temperature**: -20 to +55 °C
- **Storage Temperature**: -40 to +70 °C
- **Climate Control**: Humidity ventilator

**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**: < 120mV P-P

**POPULAR PRODUCTS**

**HMA-2-36-S7-S7-12**
ODE-MINI, 1x 88-264 VAC input, 2x Blue Modules (L-Band), Mains & LNA/B PSU, Media converter SFP 1550nm & SNMP/Site controller, 1# Separately specified blue Module, 1# 50Ohm N-Type, 2# Separately specified blue Module, 2# 50Ohm N-Type, External RJ45 port for antenna controller or SNMP connectivity, Internal Ethernet connectivity to Site controller and Media convertor – connected to External RJ45

**HMA-3-16-27-00-12**
ODE-MINI, 1x 88-264 VAC input, 1x Purple Modules (C-Band), Mains & LNA/B PSU, Media converter SFP 1550nm & SNMP/Site controller, 1# HRT-C1-80-39-G1550 500-7500GHz 50Ohm 0dB RF Gain 10mw, External RJ45 port for antenna controller or SNMP connectivity, Internal Ethernet connectivity to Site controller and Media convertor – connected to External RJ45

**PRODUCT SPECIFICATIONS**

![Diagram of product specifications](image-url)
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-2F-Q8-0001 Quad Waterproof connector to SC/APC 1 m SC/APC Connector
F04-Q-2F-Q8-0003 Quad Waterproof connector to SC/APC 3 m SC/APC Connector
F04-Q-2F-Q8-0010 Quad Waterproof connector to SC/APC 10 m SC/APC Connector
F04-Q-2F-Q8-0020 Quad Waterproof connector to SC/APC 20 m SC/APC Connector
F04-Q-2F-Q8-0050 Quad Waterproof connector to SC/APC 50 m SC/APC Connector
F04-Q-2F-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