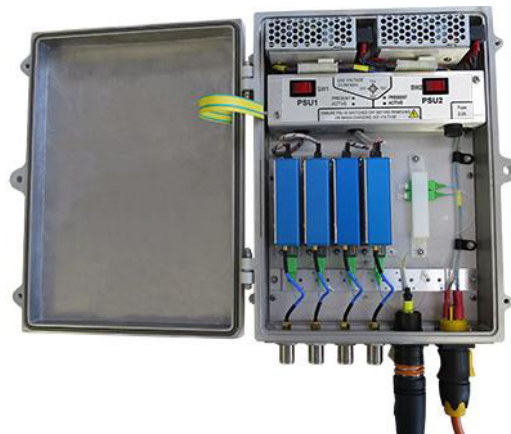


RF Over Fiber Systems

ODE-A4 Enclosure

Outdoor Enclosure

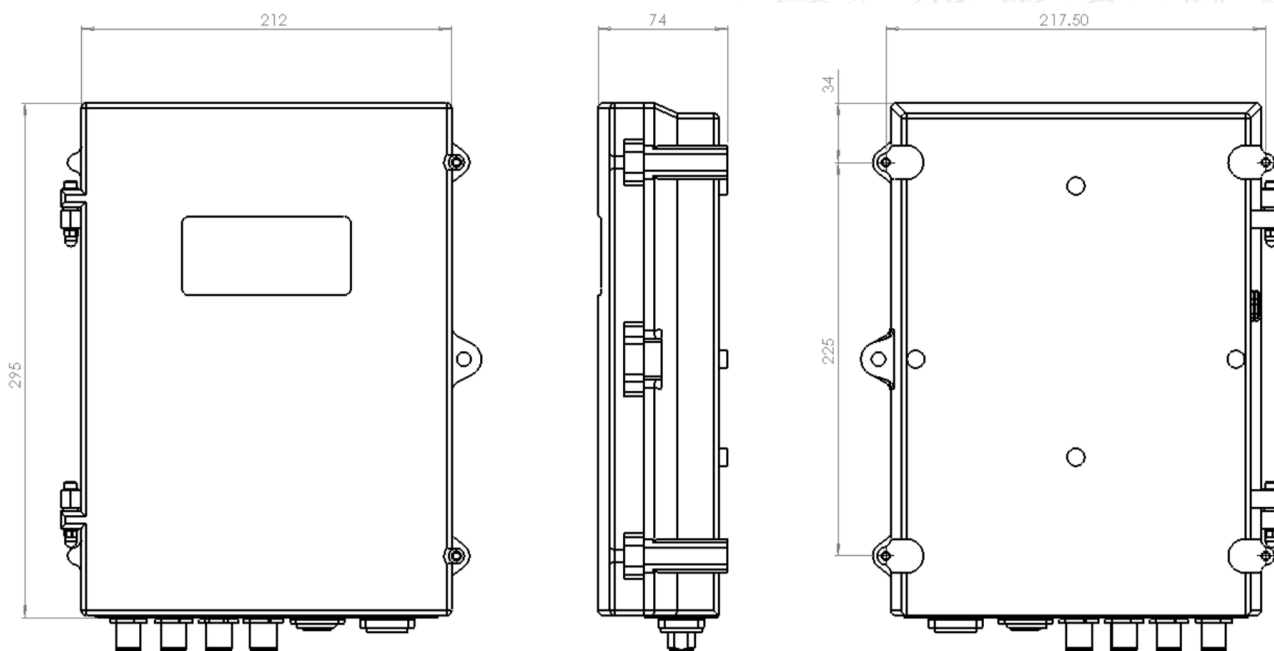
- Houses up to four cross-site links
- IP65 and NEMA 4 rated
- Suitable for harsh environments
- Heater option
- Solar/wind shield
- Dual redundant power supplies
- Selectable LNA/B O/P voltages
- Lighting arrestor option



The ODE-A4 can house up to four Blue OEM cross-site links with RF connections to the outside. There are two additional slots that can house Timing & Reference Blue OEMs for Satcom applications. The enclosure is cast aluminium and has an Ingress Protection rating of IP65. It is typically installed on a rooftop or at an antenna hub where RF and other services are transmitted over optical fiber to a remote equipment room. Dual redundant power supplies provide higher availability as well as helping to prolong PSU lifetime.

The ODE-A4 comes in a standard configuration: GPS with 2x PSUs, 1x 50 Ohm Tx Links. For GPS antennas, the Blue OEMs housed within the ODE-A4 can supply 5 V or 12 V, as well as ViaLite's GPS monitoring option.

Mechanical Dimensions





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RF Over Fiber Systems ODE-A4 Enclosure

GENERAL SPECIFICATIONS

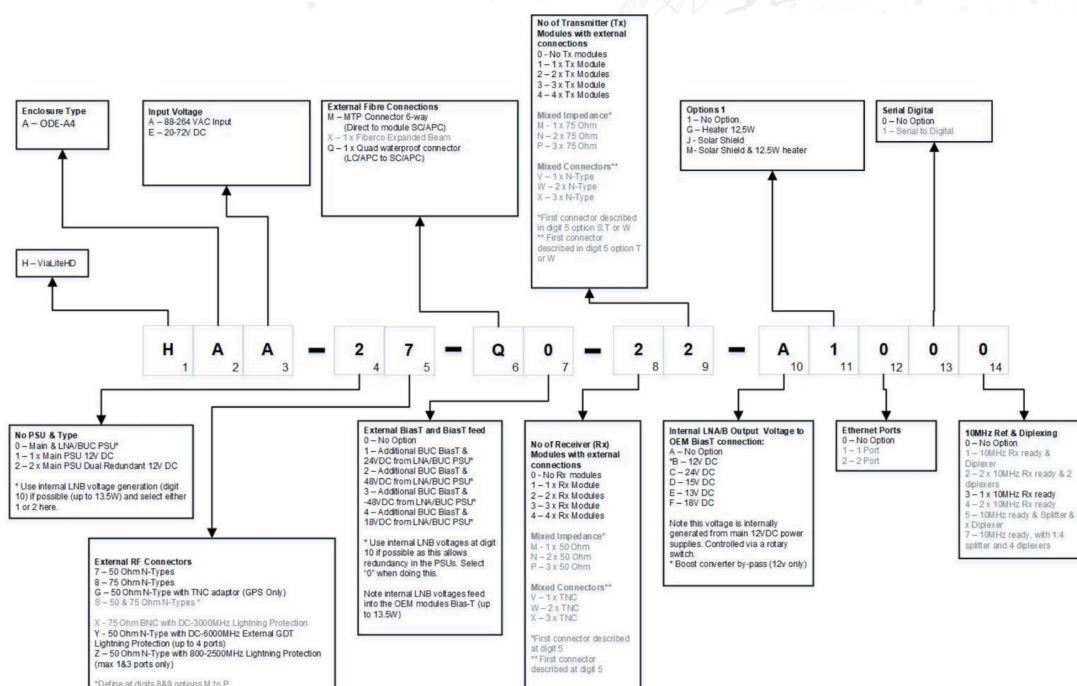
ODE-A4 Enclosure

| | |
|-----------------------------------|---|
| Number of RF channels | 1 to 4 |
| IP Rating | IP65 |
| External Dimensions | 295 x 217.5 x 74 mm |
| Weight | 2.5 kg |
| Material | LM99 Aluminium RAL7035 |
| RF Input / Output Connectors | N-Type female weatherproof |
| Optical Fiber Connections | Quad single mode connector or MTP Connector 6-way |
| Power Supply Connections | Neutrik power connector |
| Supply Voltage Options (RF ports) | 88-264 VAC or -48 VDC |
| BUC Supply Voltage Options | 12,13,15,18, 24 VDC |
| Operating Temperature | -20 to +55 C (Heater active at 4C) |
| 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 |

PRODUCT CONFIGURATOR



Notes

- 1) All slots are "ready for" and not populated with modules – accept 10MHz reference
- 2) Units are populated with 50 Ohm then 75 Ohm
- 3) Units are populated with N types before TNC



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RF Over Fiber Systems ODE-A4 Enclosure

SEPARATELY ORDERED ACCESSORIES

Fiber Termination Box (4-Way)

To ease the installation process any multi core 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 |



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