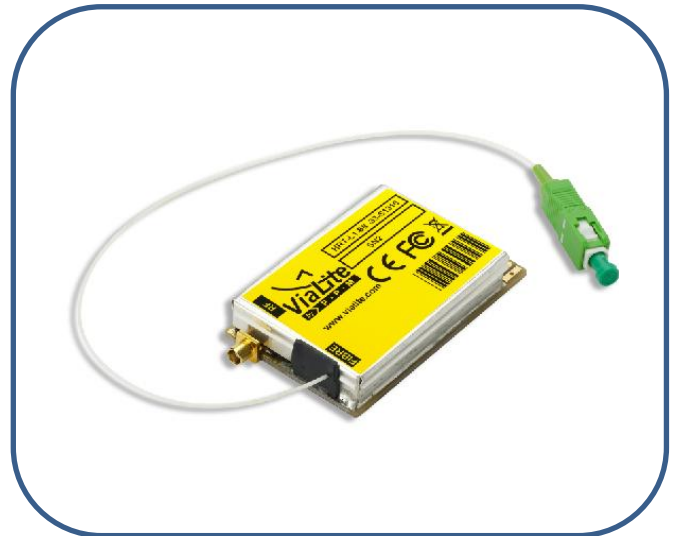


## ViaLiteHD® – Yellow OEM Link

### Yellow OEM RF over Fiber Link

- Single Tx or Rx
- 50 and 75 ohm versions
- Board-mounted OEM
- Edge connector
- 65 x 40 x 15.6 mm\*
- **ViaLiteHD** RF bands available up to 4.2 GHz
- Support modules also available in yellow OEM format

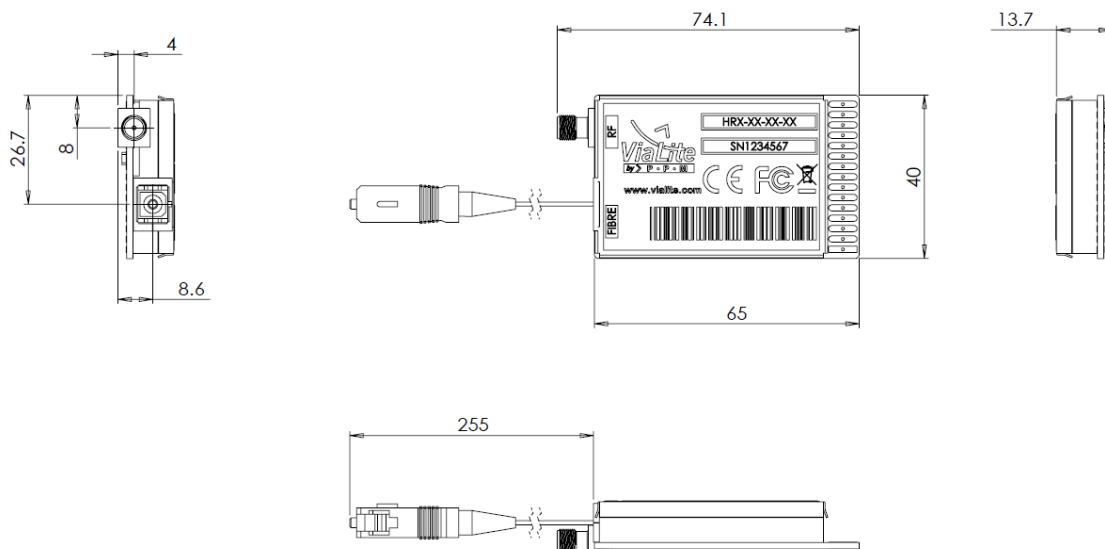


\*Wideband OEM is double canned; depth increases

The **Yellow OEM Link** is a small board-mounted RF over fiber OEM module, available in **ViaLiteHD** RF bands up to 4.2 GHz, which can be supplied in transmitter or receiver formats. It can be used within the **ViaLiteHD** ODE-A4 and ODE-MINI outdoor enclosures or easily mounted into customer equipment. The unit is available with SC/APC, LC/APC, FC/APC or E2000/APC optical connector options, and with SMA or MCX RF connector options. **NOTE:** Optical and RF connector option availability will be dependent on module type.

The Yellow OEM Link is supplied with a 15 pin edge connector which allows connections for powering, Tx or Rx alarms, I2C setup for monitoring and control, and serial data transmission such as RS232, RS485 and TTL. By using the **ViaLiteHD** Programming Kit (HRx-HD-DEV103), the module gain settings can be changed accordingly.

### Mechanical Dimensions (mm)



## Technical Specification

	Yellow OEM Link
Dimensions	Transmitter: 65 x 40 x 15.6 mm Receiver: 65 x 40 x 12.1 mm <i>*Wideband OEM is double canned; depth increases</i>
Weight	Transmitter: 60 g Receiver: 55 g
Operating temperature	-10 °C to +60 °C
Humidity	0-95% non-condensing
Cooling	Convection
Power consumption	Transmitter: 1.9 W Receiver: 1.3 W
DC Input voltage	11 to 13 V, 12 V nominal
Connector	15-pin edge connector (Power, Serial Data, Alarms & I2C programming)
RF module Types	Transmitter or Receiver IF (B), DVB-T (D), GPS (G), L-Band HTS (L), General purpose (N), Wideband (S), Low Frequency Timing Link (T), Ultra Wideband (U&W), 1:1 Splitter, 1:1 Switch, Serial digital and Ethernet.

## Yellow OEM Link connections

Pin	Yellow OEM Link Transmitter	Yellow OEM Link Receiver
1, 2	<i>TX_422_IN+</i>	<i>BUC_feed</i>
3, 4	<i>TX_422_IN-</i>	Not used
5, 6	<i>TX_232_IN</i>	Not used
7, 8	GND	GND
9, 10	+12 VDC	+12 VDC
11, 12	Not used	<i>RX_422_OUT+</i>
13, 14	Not used	<i>RX_422_OUT-</i>
15, 16	Not used	<i>RX_232_OUT</i>
17, 18	<i>LNA_feed</i>	<i>RTS_485</i>
19, 20	LD_MON	RLL_MON
21, 22	Not used	Not used
23, 24	TX_ALARM	RX_ALARM
25, 26	TX_AGC_ON	RX_AGC_ON
27, 28	SCL	SCL
29, 30	SDA	SDA

**Note:** Colour indicates relevant connector drawing.  
Connections in *blue* are optional and only available on some types of module.



### Compatible mating connectors

PPM #	Description	Supplier	Supplier part number
59897	Straight EDGE connector	Mouser Electronics	571-5530843-2
59910	Right angle EDGE connector	Digikey	EEC15DRAN-ND

EDGE: Top View, 30 way double sided header  
Connector Type: 2.54mm double sided edge connector

**Note:** Yellow link top and bottom pins are connected through via's.