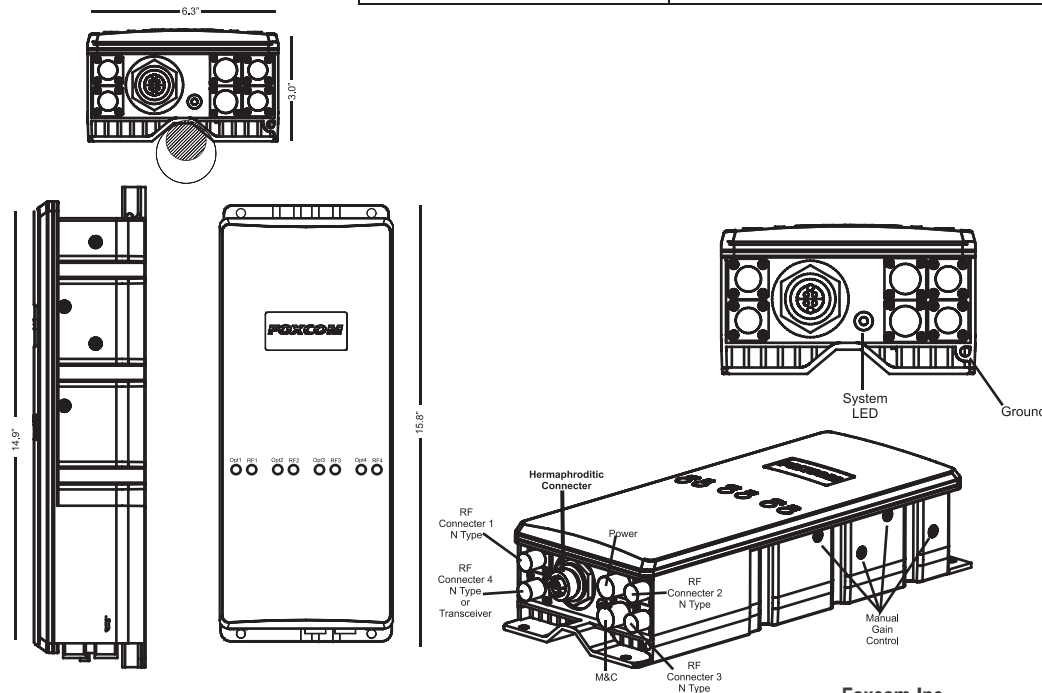




The ODU line of products allows for a great deal of flexibility when designing a system. Any combination can be integrated in the unit: four transmitters, four receivers, or a combination of both. Different models can be installed in the same enclosure. Different application needs can be addressed. If desired a 10 MHz reference signal or a Data Transceiver can be installed, providing Monitoring and Control (M&C) capabilities. Many other applications are possible; please consult with your Foxcom Representative for more details. For redundant links a 1:1 switch can also be included.

4004 ODU

Physical Characteristics	
Enclosure Capacity	Up to 4 Units
Enclosure Size	14" x 6" x 3"
RF Connector	50 Ohm N type
Optical Connector	TFOCA or Hermaphroditic
Input Power	90 - 260 VAC, 50/60 Hz, 0.5 Amp (max.)
Power Consumption	20 Watts (max.)
Weight	5 Kilograms
Operating Temp. Range	-30° to +55° C
Storage Temp. Range	-40° to +85° C
Humidity	Humidity 95%, non-condensing
Dust and Water Protection	IP67



Complete RF-2-Fiber Solutions

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4004 ODU

- IP-67 Enclosure for Extreme Outdoor Mounting Conditions
- Integrated Power Supply and Optional Redundant Power Supply
- Milspec Optical Connectors: TFOCA or Hermaphroditic
- Suitable for Uplink or Downlink Applications
- 50 Ohm N-type Connectors
- Can include Bi-directional Serial Data or Ethernet Transceiver



Outdoor Unit Fiberoptic Interfacility Links

The Foxcom Series 4004 Outdoor Unit (ODU) is an outdoor enclosure providing IP-67 weatherproof protection for Foxcom Sat-Light Interfacility Links. The 4004 series is built for extreme environments and rugged tactical use. Milspec TFOCA or Hermaphroditic type optical connectors can be specified offering unsurpassed performance in field conditions. SNMP support offer monitoring capabilities of active components in the ODU. The 4004 ODU can be populated with combinations of L-Band, 70/140 MHz IF, RF (C or X-Band) transmitters and receivers, or serial/Ethernet transceiver.

Most product options offer manual gain control (MGC). The ODU contains an internal power supply sufficient for any combination of transmitters and receivers chosen. Redundant power supply options and LNB powering are available. Prime power to the ODU is via a weather tight connector from a AC power supply. Operational status is displayed via LEDs on the cover.

The Sat-Light IFLs function as a transparent link between the satellite antenna, Network Operations Center (NOC), control room, or field operations centers. System limitations using coaxial cable are overcome by the superior performance of fiberoptic transport.

When configured with transmitters in a downlink application both satellite polarities can be accommodated. In an uplink configuration an ODU mounted near the antenna, holding several receivers, can feed a standalone up-converter, block converter (BUC), or transceiver. The series 4003 ODU can also be configured as a transceiver for VSAT applications. The unit includes an integrated power supply.

