

- Obstacles on the signal propagation line. Remove them or change the position of the radio.
- Alignment disturbance. Re-align the stations.
- Response transmitter failure.

If nevertheless the Radio does not operate properly, measure and write down AGC voltage, make PPC monitor screenshot or write the parameters to the file, then contact to Service Center.

Elva-1 Millimeter Wave Division Service Center

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8 Specifications

System Parameters

Frequency Band: ECC&FCC E-band 71.0-76.0 & 81.0-86.0 GHz

Capacity: 1250 Mbps Full duplex Gbps Ethernet

Modulation Type: QPSK

Bandwidth: 800 MHz + 800 MHz (two bands with duplex separation)

Rx Sensitivity: -87 dBW

Output Power: 20 mW

Max Distance : 5.5 km (3.4 mile) at 5 mm/hour rain & 60 cm antennas

Network Management: SNMP enabled

Remote Parameters Monitoring: Proprietary adapter in ODU with software application [Windows 98/2000/XP]

Data and Aux Interface

Ethernet Interface: 1000Base-SX (for multimode fiber, Standard IEEE 802.3z/D.50-1998)

Diagnostics Port (SNMP): RJ-45 [100BaseT] with optional RS-485 or RS-232

Antenna

Antenna Type: Cassegrain type antenna with radome

Antenna parameters:

Diameter, cm	Gain, dB	Beam angle, deg
30	43.5	0.9
45	46.5	0.6
60	50.0	0.4

Power / Environment

Power Supply AC: Input 88-132 / 176-264 Volts, 50/60 Hz [with manual voltage range switch]

Transceiver Power Consumption: 65 W [+15W heating]

DC Power: 36 to 60 Volts DC

Power Connector: SNMP Monitor & Power connector IP-65 [optional IP-68]