

TRACER 6420

5.8 GHz Integrated Modular Microwave Radio

Front View



Rear View



Physical Interfaces

- **Supported Interface Modules**
 - Quad T1 Module
 - Quad E1 Module (75 Ohm and 120 Ohm)
 - Quad Ethernet Bridge/Switch Module
- **Integrated Ports**
 - Module Slots: 2
 - Craft Port
 - One 10/100Base-T Management Port
 - Aux 232 Port

Physical Specifications

- Chassis: 1U Rack Mount
- Dimensions: 1.7" H, 17.2" W, 11.9" D
- Weight: 5 lbs.
- Operating Temperature: -13°F to 149°F (-25°C to 65°C)
- Mean Time Between Failure (MTBF): 123,244 Hrs

Power Specifications

- 21-60 VDC (Either Polarity Referenced to Ground)
- Optional 100-250 VAC Auto-Ranging Power Supply
- DC Power Consumption
 - 25 W max
 - 86 BTU max

Performance and Design Considerations

- T1 Bandwidth: 8 T1s max
- E1 Bandwidth: 8 E1s max
- T1 and E1 Modules Can Not Be Installed Simultaneously
- Ethernet Bandwidth: 16 Mbps Full Duplex
- Path Distance: Up to 30 Miles Clear Line of Sight
- RF/IF Interface
 - Antenna Connector: female type-N
 - Impedance: 50 ohms
- Transmitter Output Power: +24 dBm max
- Receiver Level Threshold (10^{-6} BER)
 - -85 dBm @ 8xT1
 - -89 dBm @ 4xT1
 - -92 dBm @ 2xT1
 - -83 dBm @ 8xE1 or 16 Mbps Ethernet
 - -87 dBm @ 4xE1 or 8 Mbps Ethernet
 - -90 dBm @ 2xE1 or 4 Mbps Ethernet
- Frequency Band: 5.725 to 5.850 GHz
- Multiple Software Selectable Channel Plans

Encryption Support

- Encryptions: Symmetric 3DES

Administration and Management

- Telnet
- SNMP
- Console (Craft Port)

- AC Power Consumption
 - 57 W max
 - 197 BTU max
- Max Current Draw: 1.5 A

Firmware Support

- Current Version: A.1.22

Warranty

- 5 Year (Repair & Return)
- www.ADTRAN.com/Warranty

Product Includes

- All Tracer units ship with the following:
 - 19" Rackmount Brackets
 - TRACER Documentation CD

Ordering Information

6420 Chassis	Part Number
TRACER 6420 5.8 GHz (Channel A)	12806420L2A
TRACER 6420 5.8 GHz (Channel B)	12806420L2B

Modules	Part Number
Quad T1 Module	1280040L1
Quad 120 ohm E1 Module	1280044L1
Quad 75 ohm E1 Module	1280044L2
Quad Ethernet Bridge/Switch Module	1280050L1
Octal 75 ohm Breakout Panel	1280060L1
A/C Power Supply	1280650L1
Console Cable	1200881L1

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