

TRACER 6200/6320

5.8 GHz Modular Split System Microwave Radio

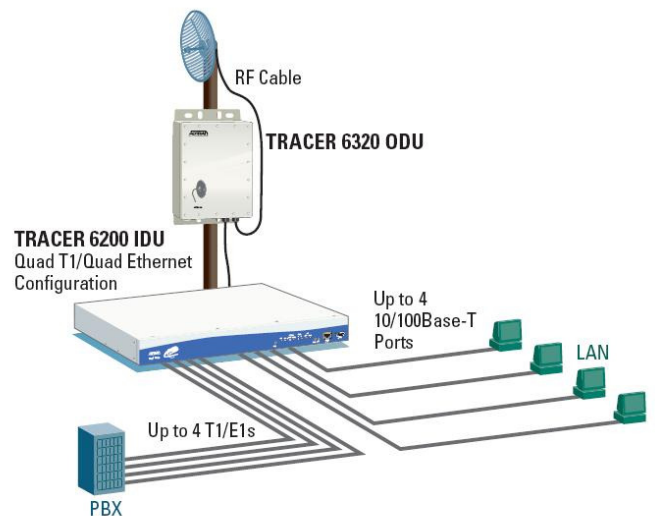
Front View - 6200 Base Band Processor / Indoor Unit (IDU)



Rear View - 6200 Base Band Processor / Indoor Unit (IDU)



6320 Radio Frequency Converter / Outdoor Unit (ODU)



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 IDU/ Mast Mount ODU
- Dimensions
 - 6200 IDU: 1.7" H, 17.2" W, 11.4" D
 - 6320 ODU: 16" H, 9" W, 3.9" D
- Weight
 - 6200 IDU: 5 lbs.
 - 6320 ODU: 7 lbs.
- Operating Temperature
 - 6200 IDU: -13°F to 149°F (-25°C to 65°C)
 - 6320 ODU: -40°F to 149°F (-40°C to 65°C)
- Mean Time Between Failure (MTBF)
 - 6200 IDU: 195,810 Hrs
 - 6320 ODU: 151,447 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
- AC Power Consumption
 - 57 W max
 - 197 BTU max
- Max Current Draw: 1.5 A

Firmware Support

- Current Version: A.1.22

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
 - Intermediate Frequency (IF) Run: Tx 280 MHz Rx 140 MHz
 - Maximum Coax Length On IF
 - ½" Coax: 600 feet
 - RG-8 Coax: 350 feet
- Transmitter Output Power: +20 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)

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

6200/6320 Chassis	Part Number
TRACER 6200 IDU	12806200L1
TRACER 6320 5.8 GHz ODU (Channel A)	12806320L1A
TRACER 6320 5.8 GHz ODU (Channel B)	12806320L1B

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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