

TRACER 6410

2.4 GHz Modular Integrated 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): 124,224 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

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: +27 dBm max
- Receiver Level Threshold (10^{-6} BER)
 - -86 dBm @ 8xT1
 - -90 dBm @ 4xT1
 - -93 dBm @ 2xT1
 - -84 dBm @ 8xE1 or 16 Mbps Ethernet
 - -88 dBm @ 4xE1 or 8 Mbps Ethernet
 - -91 dBm @ 2xE1 or 4 Mbps Ethernet
- Frequency Band: 2.4 to 2.4835 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

Firmware Support

- Current Version: A.1.22

Product Includes

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

Ordering Information

| 6410 Chassis | Part Number |
|---------------------------------|-------------|
| TRACER 6410 2.4 GHz (Channel A) | 12806410L2A |
| TRACER 6410 2.4 GHz (Channel B) | 12806410L2B |

| Modules & Accessories | 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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