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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