



TRACER® Series



Quick Reference Guide



TRACER 6410/6420

2.4/5.8 GHz Modular T1/E1/Ethernet Radios

- Combined T1/E1 and 10/100Base-T connectivity up to 16 Mbps
- Dual-slot, 1U chassis supports Quad T1, Quad E1, and Quad Ethernet Bridge Modules
- Integrated and split systems available
- Fully SNMP manageable
- License-free ISM band
- Distances up to 30 miles
- Multiple, software-selectable channel plans



TRACER 5045

5.8 GHz Wireless Bridge with Integral Ethernet Switch

- Broadband LAN/WAN connectivity at 45 Mbps full-duplex (90 Mbps aggregate)
- Layer 2 Ethernet switching and MAC bridging
- Four integral auto-sensing 10/100Base-T Ethernet ports
- Compact, energy-efficient 1U chassis
- License-free ISM band
- Distances up to 25 miles



TRACER 4205

5.8 GHz DS3 Radio

- Broadband WAN connectivity at 45 Mbps
- Space-saving 1U chassis
- License-free ISM band
- Distances up to 25 miles



TRACER 4208/4108/4206/4106/4202/4102

5.8/2.4 GHz Octal/Quad/Dual T1 Radios

- High-capacity connectivity ranging from two to eight T1s
- Space-saving 1U chassis
- License-free ISM band
- Distances up to 30 miles
- Multiple, software-selectable channel plans

TRACER 6000 Series Interchangeable Modules

The TRACER 6000 Series is a modular platform that can be configured to meet a variety of TDM and packet network requirements. The Quad T1, Quad E1, and Quad Ethernet Bridge Modules can be used to support simultaneous Layer 2 Ethernet switching and multi-T1/E1 voice and data applications, or to support up to 8 T1/E1s on traditional TDM applications.



TRACER 6420 Rear Panel



TRACER[®] Series

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Key Applications

- Support Layer 2 Ethernet switching and multi-T1/E1 for mixed voice and data
- Bridge local area networks
- Integrate wireless WAN/LAN connections
- Extend Wireless Access Point (WAP) reach
- Internetwork office complex or campus
- Create disaster recovery/redundant links
- Establish emergency service restoral
- Establish special event communications
- Improve cellular backhaul efficiency
- Connect cell towers to Mobile Switching Centers (MSCs)
- Overcome geographic barriers
- Establish short-haul ISP links



TRACER Link Analyzer

Perform repetitive “what-if” analyses by adjusting design parameters, then view the impact on performance measures. The result: a properly engineered wireless link that delivers optimum performance.

www.adtran.com/link_analyzer

TRACER Series Feature Matrix

Model Type	Part Number	Model Designation	Rate	Mounting	GHz	Interface	Channel Plans	Maximum Transmit Power
TRACER 6000 Series Modular Radios								
2.4 GHz Integrated Modular Radio (Chassis)	12806410L2A or B	6410	16 Mbps	Rack	2.4	Modular	3	500 mW
5.8 GHz Integrated Modular Radio (Chassis)	12806420L2A or B	6420	16 Mbps	Rack	5.8	Modular	3	250 mW
Split System Indoor Unit (IDU)	12806200L1	6200	16 Mbps	Rack	N/A	Modular	N/A	100 mW
5.8 GHz Split System Outdoor Unit (ODU)	12806320L1A or B	6320	16 Mbps	Mast	5.8	N/A	3	100 mW
TRACER 6000 Series Modules								
Quad T1	1280040L1	N/A	4xT1	N/A	N/A	DSX-1	N/A	N/A
Quad 120 ohm E1	1280044L1	N/A	4xE1	N/A	N/A	120Ω	N/A	N/A
Quad 75 ohm E1	1280044L2	N/A	4xE1	N/A	N/A	75Ω DB-25	N/A	N/A
Quad Bridge/Switch	1280050L1	N/A	4x10/100Base-T	N/A	N/A	10/100Base-T	N/A	N/A
Octal 75 ohm Breakout Panel	1280060L1	N/A	8xE1	N/A	N/A	75Ω BNC	N/A	N/A
TRACER 5000 and 4000 Series Integrated Radio Systems								
Ethernet Bridge/Switch	12805045L1A or B	5045	45 Mbps	Rack	5.8	10/100Base-T	1	100 mW
DS3	12804205L1A or B	4205	DS3	Rack	5.8	DS3	1	100 mW
8xT1	12804108L1A or B	4108	8xT1	Rack	2.4	DSX-1	3	100 mW
	12804208L1A or B	4208	8xT1	Rack	5.8	DSX-1	3	100 mW
4xT1	12804106L2A or B	4106	4xT1	Rack	2.4	DSX-1	3	100 mW
	12804206L2A or B	4206	4xT1	Rack	5.8	DSX-1	3	100 mW
2xT1	12804102L1A or B	4102	2xT1	Rack	2.4	DSX-1	3	100 mW
	12804202L1A or B	4202	2xT1	Rack	5.8	DSX-1	3	100 mW
TRACER Power Supplies								
6000/5000/4000 Series	1280650L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

What's involved in a TRACER application?

- The connectivity application needs to be identified: T1, Multi-T1, DS3, or Ethernet
- A site survey may be needed. TRACER microwave systems require an unobstructed path or Line of Sight (LOS).
- Auxiliary equipment is needed. This includes antennas, cables, grounding, and lightning protection.
- To complete the link, TRACER “A” and “B” parts must be ordered. An “A” is needed on one end and a “B” on the other.



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