



Point to Point Radio Family RADTR-P2P-LC-7-38-E1-T1-a9

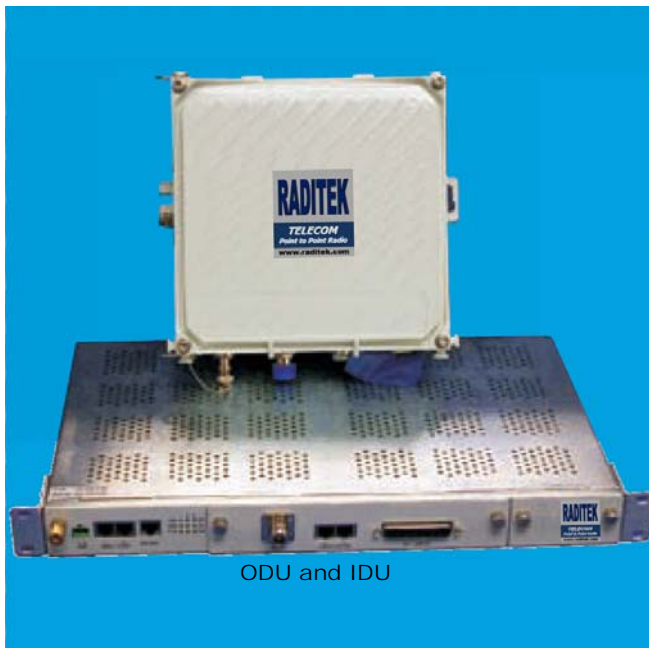
Digital Microwave Radio for Low-Capacity, Long Haul Transmission

These and other key features, give network planners, selectivity and flexibility, when building their high capacity transport and access networks.

Features:

A low-cost, point to point, FDD/PDH digital microwave radio system for:

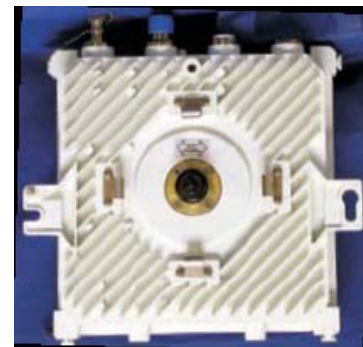
- Ethernet and E1 / T1 payload.
- Supports capacities up to 24 E1 / T1 lines or 50Mbps.
- Wayside Ethernet Full Duplex capacity up to 8.4 Mbps
- Available in discreet licensed frequency bands from 7 to 38 GHz.
- Available in Non-Protected (1+0) and protected (1+1) mode in HSB, MHSB, frequency diversity (FD) configuration, and space diversity (SD) configuration.
- Configurable for Repeater Operation
- Mounts directly on properly equipped antenna using our snap-on mount, or it can be mounted separately using standard UBR flange series waveguide.
- Meets carrier-class standards for performance reliability and quality.
- RF/IF Digital Loopback Capability
- Built-In BER Monitor
- Delay Setting for Hitless (errorless) Switching
- SNMP Network Management Protocol



ODU and IDU



ODU Bottom View



ODU Bottom View

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Specifications may be subject to change

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WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com

RADIO (ODU)										
Frequency	7 GHz	8 GHz1	8 GHz2	13 GHz	15 GHz	18 GHz	23 GHz	26 GHz	38 GHz	
Band (GHz)	7.4-7.75	7.72-8.28	8.2-8.5	12.7-13.3	14.5-15.4	17.7-19.7	22.0-23.6	24.5-26.5	37.0-39.5	
T-R Space (MHz)	154 /161 196/245	119 / 126 / 151 / 266 / 311.32 / 614		266	420/490 728	1010 / 1092.5	1008/1200 1232	TBA	TBA	
T-T Space (MHz)	4E1	7	7	7	7	7	7	7	7	
	8E1	14	14	14	14	14	14	14	14	
	16/24E1	28	28	28	28	28	28	28	28	
Xmit Power (dBm)	+27	+27	+27	+20	+20	+19	+19	+19	+19	
Xmtr Attn Step	1 dB	1 dB	1 dB	1 dB	1 dB	1 dB	1 dB	1 dB	1 dB	
Xmit Pwr Range (dBm)	-10 ~+27	-10~+27	-10~+27	-10~+20	-10~+20	-10~+19	-10~+19	-10~+19	-10~+19	
Receiver Threshold @ 10 ⁻⁶ BER (dBm)	4E1	-84.5	-84.5	-84.5	-81	-81	-81	-80.5	-76.5	
	8E1	-80.0	-80.0	-80.0	-78	-78	-77	-77.5	-73.5	
	16/24E1	-77.0	-77.0	-77.0	-75	-75	-74	-74.5	-70.5	
RF Port WG Flange	UBR84	UBR84	UBR84	UBR140	UBR140	UBR220	UBR220	UBR260	UBR260	
Modulation	QCPK									
Frequency Stability	± 5 ppm					Frequency Tolerance		± 10 ppm		
Maximum Input Pwr	+0 dBm									
Background BER	<10 ⁻¹²									
Spurious Emission	10 MHz to 21.2 GHz			<-50 dBm		21.2 to 55 GHz		<-30 dBm		
IDU to ODU Cable	LMR-400 or Equivalent (50 ohm RG8 Type)									
IDU-ODU Separation	300 meter (1000 ft) Single LMR-400 Coaxial Cable									
Std Compliance	ITU, ETSI, FCC									
MULTIPLEXER (IDU)										
Capacity	4 x E1/T1		8 x E1/T1		16/24 xE1/T1		1 x (5 0 Mbps)			
Xmit Bit Rate	8 Mbps		16 Mbps		50Mbps		50 Mbps			
No. of Ethernet Port	2		2		2~4		2~4			
Ethernet Data Rate (FD)	2.112 Mbps		4.224 Mbps		8.448 Mbps		8.448 Mbps			
Impedance	E1 = 75Ω Std. 120 Ω Optional			T1(DS1) = 100Ω Balanced			Ethernet = 100Ω Balanced			
Line Code	E1 = HDB3			T1(DS1) = AMI or B8ZS			Ethernet = 10/100 Base-T			
Network Management	Web, SNMP or Telnet									
Status Indicator	LED	Power, Local, Remote-East, Remote-West, multiple Alarms & Status								
Alarms	Form C	2 Software selectable dry contacts								
POWER SUPPLY										
Input Voltage	20 to 72 VDC, any polarity									
Power Consumption	25 Watts maximum for IDU + ODU									
PHYSICAL										
Dimensions (mm)	ODU	225(H) x 225(W) x 107(D)			IDU	44(H) x 465(W) x 274(D)				
Weight	ODU	3.7 Kg			IDU	3.75 Kg for (1 + 1)				
ENVIRONMENTAL			ODU			IDU				
Operating Temperature Range			-40°C to +60°C			-5°C to +60°C				
Storage Temperature Range			-40°C to +70°C			-40°C to +70°C				
Humidity			100% condensing (all weather)			95% non-condensing				
WARRANTY										
Standard	One (1) year from factory ship date									
ORDER INFORMATION										
Contact your Account Executive at WNI Global, Inc.										