H16MRP
Broadband Digital Radio

Feature

1. Frequency: 5.8 to 38GHz
2. Supports 7/14/28MHz bandwidth
3. FDD/TDM PtP digital radio
4. 4, 8, 16 or 24 E1 with built-in Ethernet interfaces
5. Data traffic sharing between interfaces, E1 and Ethernet, configurable by software
6. Supports 1+0, 1+1, East/West configurations
7. ATPC and FEC function
8. Cross-connect function for repeater applications
9. Low latency Ethernet traffic up to 60Mbps
10. Expansible from 1+0 to 1+1: field upgradable by plug-in module assembly
11. RF, analog and digital loopback capability
12. Built-in Bit Error Rate (BER) monitoring
13. Wide operating temperature range
14. Low power consumption
15. SNMP network management protocol
16. Up to 300 meters separation between IDU and ODU
17. IDU and ODU with small and attractive profiles

Specifications

ODU TECHNICAL SPECIFICATIONS

Frequency(GHz)			5.8 GHz	6 GHz	7/8 GHz	11 GHz	13 GHz	15 GHz	18 GHz	23 GHz	26 GHz	38 GHz
Standard			ETSI/ITU or Customer specified									
RF Power (dBm)			-10~20	-10~27	-10~27	-10~20	-10~20	-10~20	-10~22	-10~22	-10~22	-10~20
Accuracy (dB)			±2									
Increments (dB)			1									
RX at BER=10⁻⁶ (dBm)	QCPSK	4E1	-84	-84	-84	-84	-84	-84	-83.5	-83	-83	-81
		8E1	-81	-81	-81	-81	-81	-81	-80.5	-80	-80	-78
		16E1	-78	-78	-78	-78	-78	-78	-77.5	-77	-77	-75
	8CPSK	24E1	-68	-68	-68	-68	-68	-68	-67.5	-67	-67	-65
RF BW (MHz)			7/14/28	7/14/28	7/14/28	7/14/28	7/14/28	7/14/28	7/13.75/27.5	7/14/28	7/14/28	7/14/28
Flange			N-type	UBR84	UBR84	UBR100	UBR140	UBR140	UBR220	UBR220	UBR220	UBR320
Max Power Consumption IDU+ODU 1+0/1+1			25/40W	25/40W	25/40W	25/40W	25/40W	30/45W	30/45W	30/45W	30/45W	30/45W
IF			50Ω coaxial, N-type female connector, 300m max, separation between IDU and ODU									
Frequency Stability			±5ppm									
Max RSL without Damage			0dBm									
RSL Accuracy			±5 dB(-30~-90dBm)									

IDU TECHNICAL SPECIFICATIONS

Capacity	8 Mbps	16 Mbps	34 Mbps	50Mbps
No. of E1 Port	0~4	0~8	0~16	0~24
No. of Ethernet Port	2	2	2	2
Ethernet Throughput	10.3Mbps@64byte	20.6 Mbps@64byte	41.4Mbps@64byte	62Mbps@64byte
	8.3Mbps@1552byte	16.7Mbps@1552byte	33.4Mbps@1552byte	50Mbps@1552byte
Bit Rate Adjustment Between E1 & Ethernet with 2Mbps Step				
Impedance	E1= 75Ω Unbalanced or 120Ω Balanced		Ethernet=100Ω Balanced	
Line Code	E1 = HDB3		Ethernet=10/100Base-T	
Status Indicator	LED	Power, Local, Remote-East, Remote-West, multiple Alarms & Status		
Alarms	Form C	2 software-selectable dry contacts		

SYSTEM TECHNICAL SPECIFICATIONS

Network Management	SNMP or Telnet
Input Voltage	-36~-72VDC

PDH Fiber Transmission Equipment