

4.9GHz Public Safety Band Near-LOS Wireless Ethernet Radio

Specifications

RADIO	
Frequency of Operation	4940 – 4990 MHz
Channels in a 5 MHz	9 Non-overlapping channels
Channel Spacing	Software selectable channel bandwidths of 5, 10 and 20MHz
RF Output Power	19dBm (±1dB) @ 54Mbps 20dBm (±1dB) @ 48Mbps 21dBm (±1dB) @ 36Mbps 21dBm (±1dB) @ 6/9/12/18/24Mbps
Receive Sensitivity	-90 dBm (6Mbps mode) to -72 dBm (54Mbps mode) typical
Data Bandwidth	Up to 6 Mbps data throughput using in a 5 MHz channel
Frequency Stability	±10 ppm
Modulation	OFDM
Range (Depends on the antenna type)	Up to 40 Km
INTERFACES	
RF (antenna) connector	N-type (Jack)
Ethernet	IEEE 802.3(10Base-T) / IEEE 802.3u(100Base-Tx)
FE1 / T1 / V.35 / Ethernet (Optional)	
MANAGEABILITY	
Management and setup	Web-based
SNMP agents	MIB II
Protocol	TCP/IP, IPX/SPX, NetBEUI
Operating System	Windows 98/2000/NT/XP
Network Architecture	PTP / PTMP
Data Bandwidth Control	Versatile QoS / TDM; n x 64 kbps
SECURITY	
Data Encryption	64/128/152 bits encryption
	WPA-PSK, WPA
Authorization	MAC Address Access Filter
ENVIRONMENT	
Operating Temperature	-30°C ~ 55°C
Storage Temperature	-30°C ~ 70°C
Humidity	95% non-condensing
POWER SUPPLY	
DC 24V, 50-60Hz / DC 48V (Optional)	
PHYSICAL	
Dimension	259 (L) × 250 (W) × 75 (H) ; mm
Weight	1.8 Kg
WARRANTY	
1 year	
ADVANCE	
Base Station Scanning	RSSI
Watchdog	
Audible Antenna Alignment (Optional)	
CERTIFICATIONS	
FCC	
EMS (EN301489 & IEC 61000-4-5 (Surge))	
ORDERING INFORMATION	
ATH2049-21	4.9GHz band, 21dBm Near-LOS Wireless Ethernet Radio
ATH1049-35	4.9GHz band, EIRP=35dBm Near-LOS Wireless Ethernet Radio
ATH1049-44	4.9GHz band, EIRP=44dBm Near-LOS Wireless Ethernet Radio

3F., No.8, Alley 8, Lane 45, Baoxing Rd., Xindian City,
Taipei County, 231, Taiwan
TEL : +886-2-2910-1997 Fax : +886-2-2910-3996
sales@azuretec.com; www.azuretec.com / www.azuretec.com.tw

Copyright © 2004 Azuretec Co., LTD. all rights reserved. No part of this publication may be reproduced, adapted, stored in a retrieval system. Specifications are subject to change without notice.

AzuretecTM
go the extra mile

Nov / 2008