



Millimeter-Wave Radio Solutions

AireBeam™ E-Band Series

Ultra High Speed Wireless Pt to Pt Bridges

LAN EXTENSION

Enables Fast Ethernet and GbE LAN extensions between buildings

SECURITY/SURVEILLANCE

Creates a high speed and low latency backbone for camera security applications

NETWORK REDUNDANCY

Creates redundant network paths for mission-critical applications

DISASTER RECOVERY

Provides temporary network connection and disaster-recovery connectivity

METRO AREA NETWORK

Extends the reach of metro fiber networks and provide high-speed access services to "non-lit" buildings

MOBILE WIRELESS/WIMAX/ WIFI NETWORKS

Provides high capacity and cost-effective backbone for base station connectivity

RAYAWAVE, INC.

Corporate Address
12707 High Bluff Drive. Ste. 200
San Diego, CA 92130

Phone: +1.858.350.4259

Fax: +1.858.523.0587

E-mail: sales@rayawave.com





Product Features:

- Fast Ethernet and Gigabit Ethernet speeds
- Full duplex operation
- Fiber-like system latency
- Reliable operation up to several kilometers
- Predictable availability up to 99.999%
- Simple and fast licensing procedure
- Highly secure transmission
- Interference free operation
- Easy to install and no complex configuration
- Remote monitoring
- Low weight and compact size
- IP 66 outdoor rated enclosure
- Low voltage power design
- Low power consumption

AireBeam™ E-band Series

Gigabit Ethernet Series

System Specifications

Parameter	AireBeam™ 70-1250-12	AireBeam™ 70-1250-24	
			
Frequency Range	71.125...75.875GHz		
Output Power	+17dBm (50mW) max		
Modulation	ASK		
Power	DC +/-48V		
Power Consumption	15 Watts		
Data Interface	1000 Base-SX (850nm, Multi Mode, LC connector)		
Data Rate	1250 Mbps/ Full duplex		
Data Format	802.3z (Gigabit Ethernet)		
OSI Layer	Physical Layer 1		
Monitoring	AireBeam™ Manager program		
Operation Temperature	-30... +70°C		
Environmental	IP66		
Regulatory	FCC Part 101 (FCC ID USPAB701000) TS 102 524 V1.1.1 (2006-07) EN 301 389-04 V1.3.1 (2002-08) EN 60950-1:2001 + A11:2004 UK IR 2000		
Size (LxWxH)	180x100x180mm (enclosure only)		
Weight	6kg [13.2lbs]	20kg [36lbs]	
Antenna	Type	Cassegrain	Cassegrain
	Size	12"	24"
	Gain	43dBi	51 dBi
	Polarization	Vertical/Horizontal	Vertical/Horizontal
	HPBW	0.9	0.5