

# 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



### Product Features:

- 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

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# AireBeam™ E-band Series

## Gigabit Ethernet Series



System Specifications

Parameter		AireBeam™ 70-1250-12	AireBeam™ 70-1250-24
Frequency Range		71 ~ 76GHz	
Output Power		+17dBm (50mW) max	
Modulation		ASK	
Power		DC +/-48V	
Interface (Multimode)		1000 Base-SX (850nm, SC/LC connector)	
Datarate		1250 Mbps/ Full duplex	
Monitoring		AireBeam™ Manager program	
Operation Temperature		-30 ~ +70°C	
Environmental		IP66	
Regulatory		Complies with US Part 101 Q of the Federal Communication Commissions rules	
Size (LxWxH)		180x100x180mm	
Weight		6kg [13.2lbs]	
Antenna	Type	Cassegrain	Cassegrain
	Size	12"	24"
	Gain	43dBi	49 dBi
	HPBW	0.9	0.5

## Typical Applications

