Millimeter-Wave Radio Solutions

AireBeam™ 60 GHz 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

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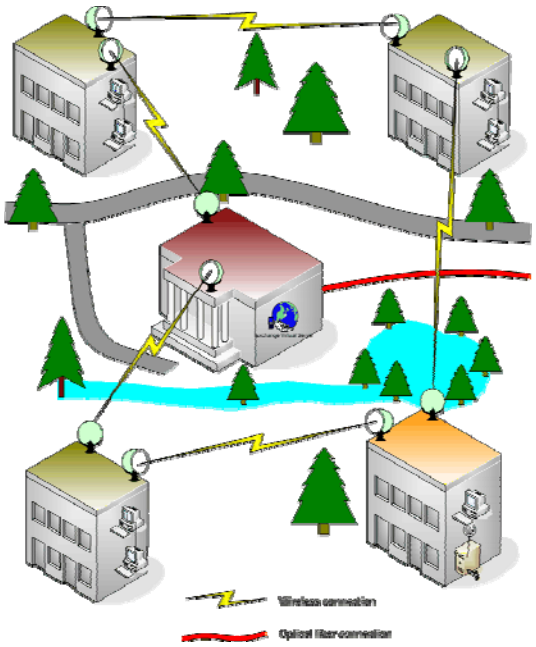
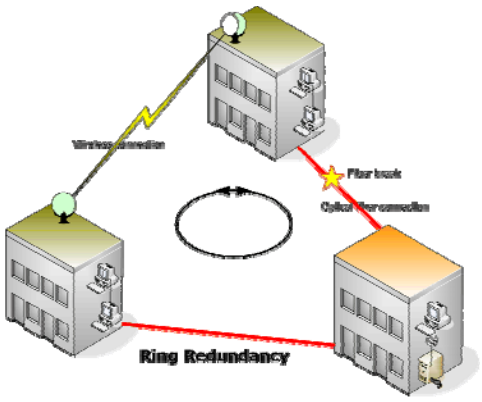
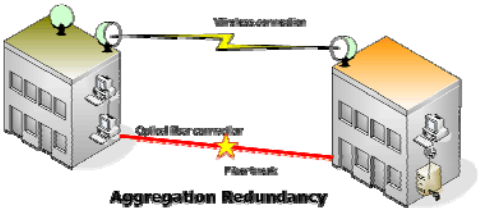
Product Features:

- **Fast Ethernet speeds**
- **Full duplex operation**
- **Fiber-like system latency**
- **Ideal solution for shorter distance applications**
- **Predictable availability up to 99.999%**
- **License free operation (country specific)**
- **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™ 60 GHz Series

System Specifications

Fast Ethernet Series

Parameter		AireBeam™ 60-100-12	AireBeam™ 60-100-24
Frequency Range		57 ~ 64 GHz (FCC), 59 ~ 66 GHz (Japan)	
Output Power		+10 dBm (10mW) max	
Modulation		ASK	
Power		DC +/-48V	
Interface (Multimode)		100 Base-FX (1310nm, SC/LC connector)	
Datarate		100 Mbps/ Full duplex	
Monitoring		AireBeam™ Manager program	
Operation Temperature		-30 ~ +70°C	
Environmental		IP66	
Regulatory		Complies with US FCC Part 15 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