

Wireless Communications

Point-to-Point and Point-to-MultiPoint



BFI OPTiLAS is a pan-European technical distributor of specialist products and services including design-engineering support, to the electronics and photonics markets.

BFI OPTiLAS focuses on niche technology products such as magnetic components, lasers, sensors, connectors, electro-optics, imaging, fibre-optics, RF & microwave and other specialty components, systems, assemblies and metals.

Our manufacturer trained, technically qualified Field Sales Engineers will be able to assist you in all aspects of your design, enabling you to turn your ideas into reality.

Serviced by our modern ISO 9001:2000 approved logistics centre, BFI OPTiLAS is able to offer a variety of client specific logistical services including : VMI (Vendor Managed Inventory), EDI processing, tape and reeling, customer-specific bar-coding, Kan-Ban/ship-to-line processes, kitting and assembly and flexible shipping arrangements.

For device selection advice, specific component details and sales enquiries, see how BFI OPTiLAS can help.

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Wireless Communications



With more than 3 million units deployed in 150 countries Alvarion is the world's leading provider of innovative WiMAX and wireless broadband network solutions. Alvarion's products are designed to enable the delivery of IP traffic without wires and are an enabling technology in the delivery of such concepts as personal mobile broadband, business & residential primary broadband access, corporate VPNs, toll quality telephony, hot-spot coverage extension, community interconnection, CCTV and public safety communications. Alvarion's product portfolio includes WiFi access points, point-to-point and point-to-multipoint all of which are designed for enterprise class operation and are easily deployed and operate in the unlicensed and lightly licensed frequency bands.

E-Band designs and manufactures the highest performance point-to-point wireless links based on 71GHz to 86GHz microwave technology.

Current generations operate with data rates in excess of 1Gbps over distances of several miles with 99.999% link availability. Using an industry standard gigabit Ethernet port these links are easy to install and configure providing the ideal "wireless" extension to any high speed network.

Covered by a light licensing scheme within the UK, such links are ideal for fibre leased line replacement and other backhaul activities requiring gigabit Ethernet data rates.

QUICK REFERENCE		Breeze MAX 5000	BreezeACCESS VL	BreezeACCESS EZ	BreezeNET B10	BreezeNET B14	BreezeNET B28	BreezeNET B100	BreezeNET B300	Wi2	SU Video	E-Link 1000	E-Link 1000EXR
Operators	Residential/Rural Access	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
	Business Access	✓	✓		✓	✓	✓	✓	✓			✓	✓
	Public Access	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Public Safety	Video Surveillance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Mobile Broadband									✓			
	Public Networks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Private Networks	Enterprise	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
	Education	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Oil & Gas	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
	Meter Reading	✓	✓	✓						✓			
Technical Specifications	Maximum Throughput (mbps)	65	54	12	10	14	35	73	250	20	8	1250	1250
	Line-of-Sight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Non-Line-of-Sight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Point-to-Point				✓	✓	✓	✓	✓	✓	✓	✓	✓
	Point-to-MultiPoint	✓	✓	✓						✓	✓		
	Typical Range (km)	30	20	12	30	30	30	30	30	0.3	20	7	9
	Fully Licensed												
	Lightly Licensed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓