

snaplink™

- blast



Data Sheet for SNP-24UB

Introducing the new SnapLink™ - **blast**! The **blast** delivers **160 Mbps** (half duplex) to the customer of IP transport for interference free and secure high speed data, voice and video.

The **blast** is part of the growing family of SnapLink products operating in the interference free and highly secure unlicensed 24 GHz frequency band.

Like all radios in the SnapLink family it is a "Snap" to install with its single unit design that combines the radio and antenna in a rugged mechanical package. A single cable provides both data and power. The units automatically acquire each other as soon as power is applied. Because SnapLink Radios uses a flexible, low cost 2" to 4" pole - mounting system, installation is a "Snap".



SnapLink Radios use external LEDs for alignment negating the need for special alignment tools or laptops. They will adjust data rates in severe weather conditions to keep the link and the service alive.

SnapLink Radios are ideal for IP backhaul, internet service, network extensions and local bypass. This cost effective radio is made for corporate, private and government network operators interested in clear spectrum for wireless communications.

Features

- Cost Effective IP Radio
- 160 Mbps (half duplex) speed up to 2.5 miles
- Operates in Interference Free band
- A "Snap" to : Install : Turn Up : Maintain
- "Plug and Play" Ethernet Interfaces



Specifications subject to change without notice

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Item	Specification	Comments
Air Interface		
Frequency *	24 GHz unlicensed. (24.05 – 24.25 GHz)	Other millimeter frequencies on request
Modulation	DQPSK	
Spread Spectrum	OFDM / Direct Sequence Spread Spectrum	
Point to point		
Antenna Type	12" reflector antenna	
Antenna Gain	34.4 dBmi typical at millimeter wave	12" antenna @ 24 GHz
Antenna Beam Width	2.6° typical, 3dB beam width millimeter wave	12" antenna @ 24 GHz
Network Interface		
Network Topology	Pt. to Pt.	
Effective Data Rate	160 Mbps (half duplex) to the customer @ error rate of 10 ⁻⁶ or better	Distance and frame size dependent
Cable	Category 5/6	
Connector	RJ-45 female modular jack	Data and DC power
Interface	10/100BaseT via AC power adapter	
Range		
Range millimeter wave	160 Mbps of customer bandwidth up to 2.5 miles.	12" antenna
Physical & Power (POE)		
Weight	5.5 kg typical	Excluding the mount
Mounting	Pipe or wall mount	
Grounding	8 mm bolt on the transceiver for grounding	
DC voltage	+20V _{DC} to +56V _{DC} into the receiver	
Power Consumption	10 Watts nominal	
Dimensions	304mm (12") x 304 mm (12") x 51mm (2")	Excluding antenna
Environmental		
Enclosure	All weather, designed to IP67 specifications	
Operating Temperature	-35° to + 55° C	
Specifications at +25° C unless otherwise specified		

* SnapLink can be made in any frequency band between 20-40 GHz