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airBridge TOTAL

Wireless Ethernet Client



TOTAL Equals Convenience

airBridge™ TOTAL is well-suited for use in a variety of other settings

Public parks

Stadiums

Marinas

Convention centers

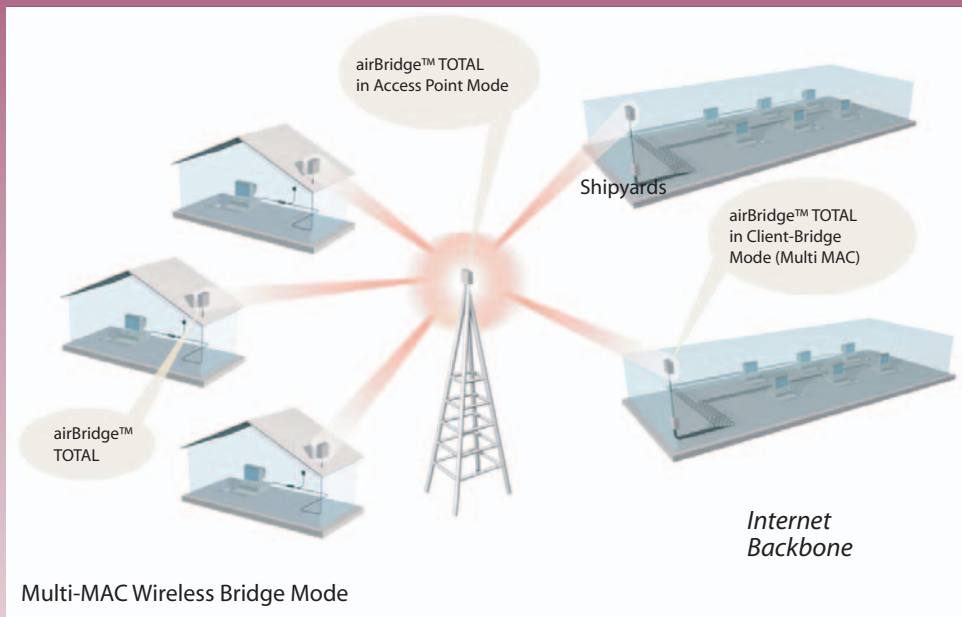
Warehouses

Beaches

Shipyards

Residential Links

Hotspots



Technical Specifications

Product No:	SB2120
Output Power (with antenna):	upto +30dBm EIRP+ max (Adjustable using "dial-a-power" software to suit respective region regulatory specifications)
Unit Receive Sensitivity:	-107dBm at 1Mbps
Connector:	Weather proof Ethernet RJ45 female
Power Source:	Power over Ethernet enabled device remotely powered by SB2811 & sB AC/DC Adapter
SB2811 PowerShot:	Power over Ethernet cable - Injecting Device. Input 12V DC and Data separately. Output Data + Power combined on RJ45 connector (pins 5 = Gnd; 7, 8 = +12V)
Integrated Antenna:	13dBi / 9 dBi* Flat Panel antenna
Antenna Specifications:	Gain +13dB, Beam width of 28 degrees, greater than 18dBm front to back ratio
Standards:	IEEE802.11b, IEEE 802.3
PC Interface:	Ethernet 10 base T
Frequency Band:	2400 to 2483.5Mhz, ISM Band
Wireless Media Access Protocol:	CSMA/CA with ACK (RTS/CTS)
Wireless Data Rates:	11Mbps CCK with Auto fallback to 5.5Mbps CCK / 2Mbps DQPSK / 1Mbps DBPSK
Channels (Overlapping):	11 FCC, 13 ETSI, 14 Japan
Modulation:	DSSS with CCK / DQPSK / DBPSK
AC / DC Adapter:	Input: 90 to 260V AC, 50 / 60Hz, output: 12V DC, 1A
Power Consumption:	7W (typical)
Management:	SNMP ver 1 (MIB, Traps); TFTP (FW download)
Mounting:	Pole or wall mount via 2pc U-Bolts & clamps (supplied)
Cable:	1 feet outdoor rated CAT5E cable connected to the Device and terminated into a weather-proof RJ45 female connector; Longer Length Ethernet cable can be added by the user to 100 metres maximum.
Enclosure include I/O ports:	Water Tight to NEMA 1, 4, 4X, 6, 12, 13; IP66 (EN 60529); IK07 (EN 50102)
Operating Temperature:	-40 deg C (-40 F) to +65 deg C (+150 F)
Relative Humidity:	10 to 90% typical
Dimensions (W x D x H):	180mm x 180mm x 60mm (7.07 inches x 7.07 inches x 2.36 inches) excluding mounting clamps
Weight:	Unit 0.95 kg (2.09 lbs); Shipping 1.70 kg (3.75 lbs)

Features at a glance

- Integrated device with an inbuilt 13 dBi Panel antenna.
- Rugged weatherproof design in a compact and stylish enclosure.
- Ideal for wireless LAN access in all indoor and outdoor areas.
- Flexible mounting on wall or antenna mast (up to 2 inch diameter).
- Can be mounted for Horizontal or Vertical Polarities.
- High receiver sensitivity; provides error free data transfer.
- Auto Fall back data rate for long distance communication in noisy environments.
- Powered through Ethernet cable using powerShot™ PoE injector.
- Driver-less operation with true 'Plug and Play'.
- High level security with full 128 bit Key WEP encryption.
- Firmware is upgradeable to protect your investment.



Note: *13dBi integrated antennas comply to FCC standards. 9dBi integrated antennas comply to ETSI standards
 *30dBm max and 13dBi comply to FCC standards. 20dBm max and 9dBi comply to ETSI standards