



11-150

SLAB5823 802.11a 5.4-5.8GHz Wireless Bridge

Data Sheet 061105

The SLAB5823 uses the 5.4-5.8GHz band to provide wireless connectivity between Ethernet devices/networks at up to 25Mbps. Full speed is achieved up to 4kms with lower speeds possible up to 20kms (using SLAB5823's at both ends).

Main Features

- 5460-5875MHz
- Quick & easy to install – includes PoE injector and Power Supply
- Integrated 23dBi antenna
- Data rate up to 54Mbps (802.11a). Typical throughput 20-25Mbps half-duplex.
- Web & SNMP based management
- WPA & 64/128 bit WEP data security
- Ruggedised weatherproof enclosure



Electrical Specifications

Antenna	23dBi 9 degree Hor/Vert BW >25dB Front-back ratio
Protocol	IEEE 802.11a
Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency band	5460-5875MHz
Data rate	1, 5.5, 6,9, 11,12, 18, 24, 36, 48, 54 Mbps
Channels	12 non-overlapping
Power TX	80mW (19±3 dBm) @ 6-24Mbps 63mW (18 dBm) @ 36Mbps 50mW (17 dBm) @ 48Mbps 40mW (16 dBm) @ 54Mbps
Receive sensitivity	6 Mbps @ -87dBm 54 Mbps @-70dBm
Uplink	10/100 baseT, Auto MDI/MDX
Security	WPA, WPA2, 64/128WEP
Power	48V DC, PoE with surge protection, 802.3af compliant

Mechanical Specifications

Dimensions	305 x 305 x 20mm
Construction	Aluminium/UV resistant ABS
Connector	Weatherproof RJ45
Mounting	Wall & pole mount
Operating temperature	-20 to 70°C

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