SILVERNET

SilverNet Base 500 Network bridge 500 Mbit/s White

Brand : SilverNet

Product name : Base 500

Product code: SIL BASE 500

Multipoint base, up to 500 Mbps with 2 x N-type connectors for external antenna

SilverNet Base 500 Network bridge 500 Mbit/s White:

The SIL BASE 500 is a Multipoint receiver with 2 external antenna connectors. It can be used in a multipoint system or as a long range Point to Point link. The SIL BASE 500 is capable of up to 500Mbps up to 5km (depending on which external antenna is fitted).

When fitted with a Dual polarised Omni or Sector antenna the SIL BASE 500 can be used as a Multipoint receiver, receiving signals from multiple clients at the same time.

The SIL BASE 500 can also be used as a long range Backhaul link when fitted with Dish or Grid antennas.

Please see our Antenna Datasheet for available antennas.

Data transmission

Maximum data transfer rate *	500 Mbit/s
Supported data transfer rates	95, 240, 500Mbps

Antenna

Antenna design	External
Antenna connector type	N-type
Antennas quantity	1

Wireless LAN features

Wi-Fi	✔
Wi-Fi band	Single-band (5 GHz)
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)
WLAN data transfer rate (max)	867 Mbit/s
Frequency band	5.1 - 5.8 GHz
Modulation	16-QAM, 64-QAM, 256-QAM, BPSK, QPSK
Receiver sensitivity	-82dBm@54Mbps, -74dBm@300Mbps, -68dBm@1.3Gbps
Output power (dBm)	26
Indoor range	5.1GHz - 5.7Ghz
Outdoor range	5.4GHz - 5.8GHz

Network

Ethernet LAN	✔
Ethernet LAN interface type	Gigabit Ethernet
Ethernet LAN data rates	10,100,1000 Mbit/s
Networking standards	IEEE 802.11i, IEEE 802.1Q, IEEE 802.1x
Cabling technology	10/100/1000Base-T(X)
Full duplex	✔

Features

Quality of Service (QoS) support	✔
Wi-Fi Multimedia (WMM)/(WME)	✔
Network Time Protocol (NTP) client	✔
Mean time between failures (MTBF)	60000 h

System requirements

Minimum system requirements	Internet Explorer, Google Chrome, Mozilla Firefox
Compatible operating systems	Microsoft Windows, Mac OS, Linux Distributions

Power

Power source type	DC, PoE
AC input voltage	100 - 240 V
Power supply	15.4 W
DC input voltage	24 - 48 V
Power consumption (typical)	6 W
Power consumption (max)	16 W
Power over Ethernet (PoE)	✔
Power over Ethernet (PoE) voltage	48 V
Power plug type	Type G

Operational conditions

Operating temperature (T-T)	-20 - 70 °C
Operating temperature (T-T)	-4 - 158 °F
Operating relative humidity (H-H)	0 - 95%
Storage temperature (T-T)	-40 - 90 °C
Storage relative humidity (H-H)	0 - 95%

Certificates

Certification	CE, FCC

Network

Auto MDI/MDI-X	✔
Static IP	✔
Dynamic IP	✔

Ports & interfaces

Connectivity technology	Wired & Wireless
Ethernet LAN (RJ-45) ports	1

Security

Security algorithms	256-bit AES, SNMPv2
Security features	802.1x, 802.11i, 802.1Q
MAC address filtering	✔
Authentication method	WPA2 AES

Management features

Management platform	SNMP V2
Web-based management	✔
DHCP client	✔

Features

Product type *	Network bridge
Product colour	White
Remote control function	✔
LED indicators	LAN, Signal strength
Automatic Transmit Power Control (ATPC)	✔
Wall mountable	✔
Reset button	✔
International Protection (IP) code	IP67
Surge protection	✔

Weight & dimensions

Width	220 mm
Depth	75 mm
Height	220 mm
Weight	1.6 kg

Packaging content

Packaging content	Includes 1 x radio, 1 x PoE injector PSU and 1 x Tilt and Swivel 3 Axis mounting bracket.
Grounding	✔
PoE+ Injector(s)	✔
Mounting bracket(s) included	✔
Power supply included	✔
Quick installation guide	✔

Packaging data

Package width	307 mm
Package depth	395 mm
Package height	102 mm
Package weight	2.59 kg
Package type	Box
Quantity per pack	1 pc(s)

Logistics data

UK Trade Tariff code	85176200
Country of origin	United Kingdom

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