SILVERNET

SilverNet U2490-PCP Network bridge 500 Mbit/s White

Brand : SilverNet **Product code:** SIL U2490-PCP

Product name : U2490-PCP

24 GHz, 500 Mbps 90 cm Dish full duplex capacity link, up to 20 km

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The SIL U2490-PCP is an outdoor, Full IP microwave radio operating in the UK and European 24GHz unlicensed band. It offers a 500Mbps full duplex link, reaching distances up to 20km, and includes 90cm antennas with a 2-year warranty. This unlicensed Backhaul link integrates seamlessly with 3G, 4G, and LTE nodes, making it ideal for a swift and adaptable transition to full IP networks. It boasts the highest radio capacity and performance, advanced Ethernet features, and comprehensive synchronisation management with SyncE and 1588v2, positioning the 24GHz Backhaul links as cutting-edge IP radios that form the backbone of a state-of-the-art network.

Data transmission

Maximum data transfer rate *	500 Mbit/s
Maximum transfer distance	20000 m

Antenna

Antenna design	External
Antennas quantity	2

Wireless LAN features

Frequency band	24 GHz
Modulation	16-QAM, 32-QAM, 64-QAM, 128-QAM, 512-QAM, 1024-QAM
Receiver sensitivity	4 QAM (-88) 16 QAM (-81) 32 QAM (-76.5) 64 QAM (-73.5) 128 QAM (-70.5) 256 QAM (-67) 512 QAM (-67.5) 1024 QAM (-60.5)
Output power (dBm)	4 QAM (+21) 16 QAM (+19) 32 QAM (+17) 64 QAM (+17) 128 QAM (+17) 256 QAM (+17) 512 QAM (+17) 1024 QAM (+16)
Frequency stability	5 ppm

Network

Ethernet LAN	✔
Ethernet LAN interface type	Gigabit Ethernet
Ethernet LAN data rates	1000 Mbit/s
Networking standards	IEEE 802.11ad, IEEE 802.1p, IEEE 802.3ad, IEEE 802.3x
Full duplex	✔
Static IP	✔

Ports & interfaces

Connectivity technology	Wired & Wireless
Ethernet LAN (RJ-45) ports	2
Power over Ethernet plus (PoE+) ports quantity	1
I/O ports	2x GE electrical

Management features

Management platform	Web GUI, In Band management, SilverView NMS
Web-based management	✔

Features

Product type *	Network bridge
Product colour	White
Remote control function	✔

Features

VoIP	✔
International Protection (IP) code	IP65
Quality of Service (QoS) support	✔
Flow control support	✔
RMON Statistics	✔
Link Loss Forwarding (LLF)	✔
Link aggregation	✔

Power

Power source type	PoE
Power consumption (max)	35 W
Power over Ethernet (PoE)	✔
Power over Ethernet (PoE) voltage	48 V

Operational conditions

Operating temperature (T-T)	-35 - 55 °C

Certificates

Certification	ETSI, FCC

Weight & dimensions

Antenna diameter	90 cm
Width	254 mm
Depth	154 mm
Height	254 mm

Packaging content

Grounding	✔
PoE+ Injector(s)	✔
Mounting bracket(s) included	✔
Power supply included	✔
Antenna included	✔
Quick installation guide	✔

Packaging data

Package width	1000 mm
Package depth	1000 mm
Package height	500 mm
Package weight	21.5 kg
Package type	Box
Quantity per pack	2 pc(s)

Features			Logistics data	
Power LED	✔		UK Trade Tariff code	85176200
Real-Time Parameter Control (RTPC)	✔			
Automatic Transmit Power Control (ATPC)	✔			

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