

SILVERNET

ECHO Range



Outdoor TDMA Base Station & Remote Client Premises Equipment

SILVERNET

sales@silvernet.com

www.silvernet.com

Version 1.1

Copyright © 2017 SilverNet All rights reserved.

Features and Benefits



SIL-ECHO-BS Multi-point Base Station

Compliant with 5GHz 802.11n/a, Radio speed up to 300Mbps
TDMA greatly Improves the network scalability in throughput and latency
16dBi dual-polarised 120° sector antenna to expand Multi-point coverage
Optimised output transmission power & receive sensitivity.
Easy deployment and adjustment with the provided mounting kits
Passive POE(24VDC) for flexible deployment
Outdoor weather-proof housing

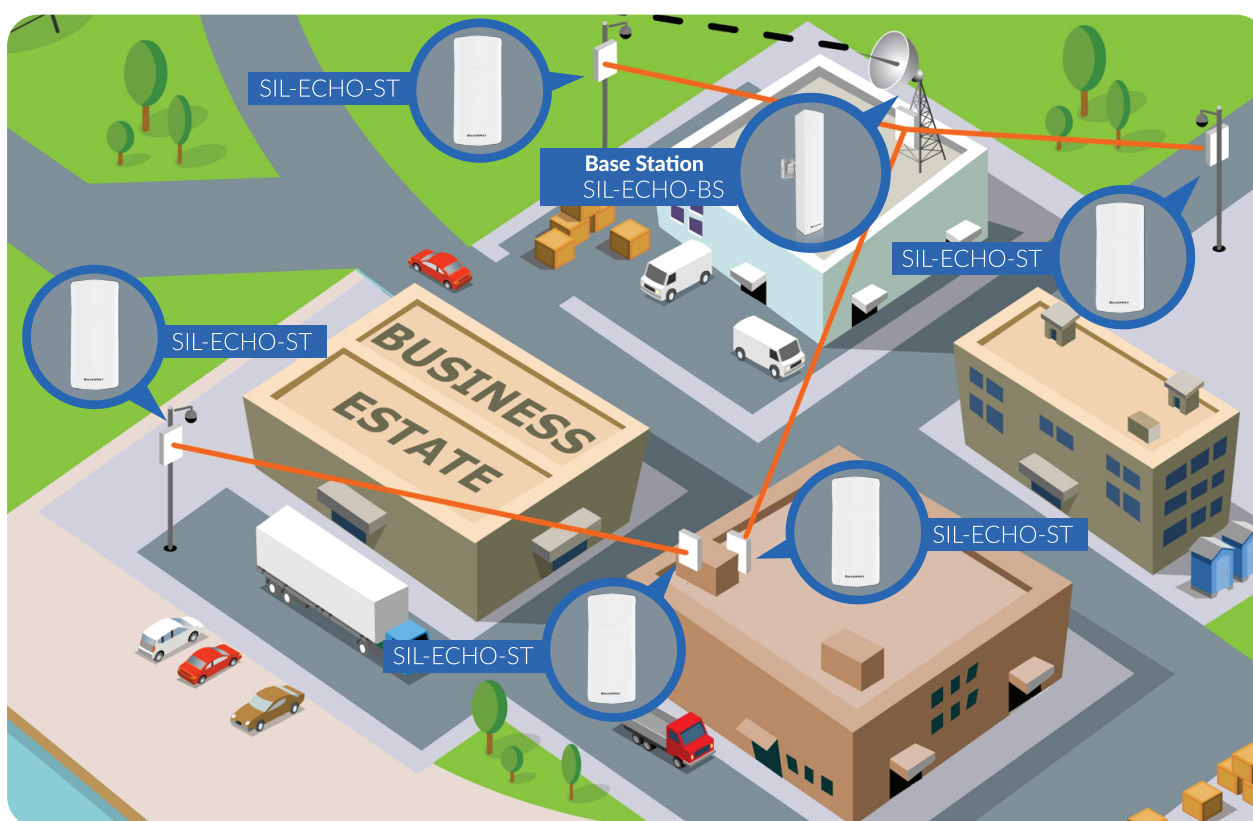


SIL-ECHO-ST Client Premises Equipment

Compliant with 5GHz 802.11n/a, Radio speed up to 300Mbps
TDMA greatly improves the network scalability in throughput and latency
16dBi dual-polarised antenna to build long distance Point to Point connections
Selectable transmit power and distance control
Visual Alignment LEDs
Easy deployment with the Moulded mounting bracket & steel strap
Passive POE(24VDC) for flexible deployment
Outdoor weather-proof housing



Typical Network Diagram



SIL-ECHO-BS as a Base Station in PtMP & SIL-ECHO-ST as the station (CPE) & PtP link

Specification



Radio

SIL-ECHO-BS

SIL-ECHO-ST

Standards	802.11a/n	802.11a/n
Frequency	5GHz	5GHz
5GHz speed	300Mbps	300Mbps
5Ghz MIMO	2*2	2*2
Tx Power	27dBm	23dBm
Rx Sensitivity	-74dBm@300Mbps -78dBm@54Mbps -98dBm@1Mbps	-74dBm@300Mbps -78dBm@54Mbps -98dBm@1Mbps

Antenna

Antenna Gain	16dBi	16dBi
Beamwidth	H: 120°, V: 8°	H: 45°, V: 14°

Physical Parameters

Dimensions	395 x 100 x 90mm	200 x 90 x 68mm
Weight	0.77kg	0.27kg
Enclosure	Weatherproof Plastic	Weatherproof Plastic
ESD Protection	16kV	15kV
Lightning Protection	8kV, GND Terminal	4kV
Working Temp	-40 to 70°C	-40 to 65°C
Storage Temp	-40 to 85°C	-40 to 85°C
Working Humidity	10% to 95% non-condensing	10% to 95% non-condensing

Power

PoE	24VDC	24VDC
Consumption	6W	6W

Security

Firewall	Yes	Yes
Encryption	WPA/WPA2-PSK (AES/TKIP)	WPA/WPA2-PSK (AES/TKIP)

Interfaces

LAN Ports	10/100/1000 BASE-T (RJ45)	10/100 BASE-T (RJ45)
-----------	---------------------------	----------------------

LED

LED Lights	Power, LAN, WLAN and RSSI	Power, LAN, WLAN and RSSI
------------	---------------------------	---------------------------

Warranty - 1 year

Extendable to 2 Year	Yes	Yes
----------------------	-----	-----

Pack Contents

Radio	Radio
PoE PSU	PoE PSU
Mounting Bracket	Steel Strap
Steel Strap	

SILVERNET

sales@silvernet.com

www.silvernet.com

Copyright © 2017 SilverNet All rights reserved.