

# SILVERNET

## ECHO Range



## Outdoor TDMA Base Station & Remote Client Premises Equipment

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# 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

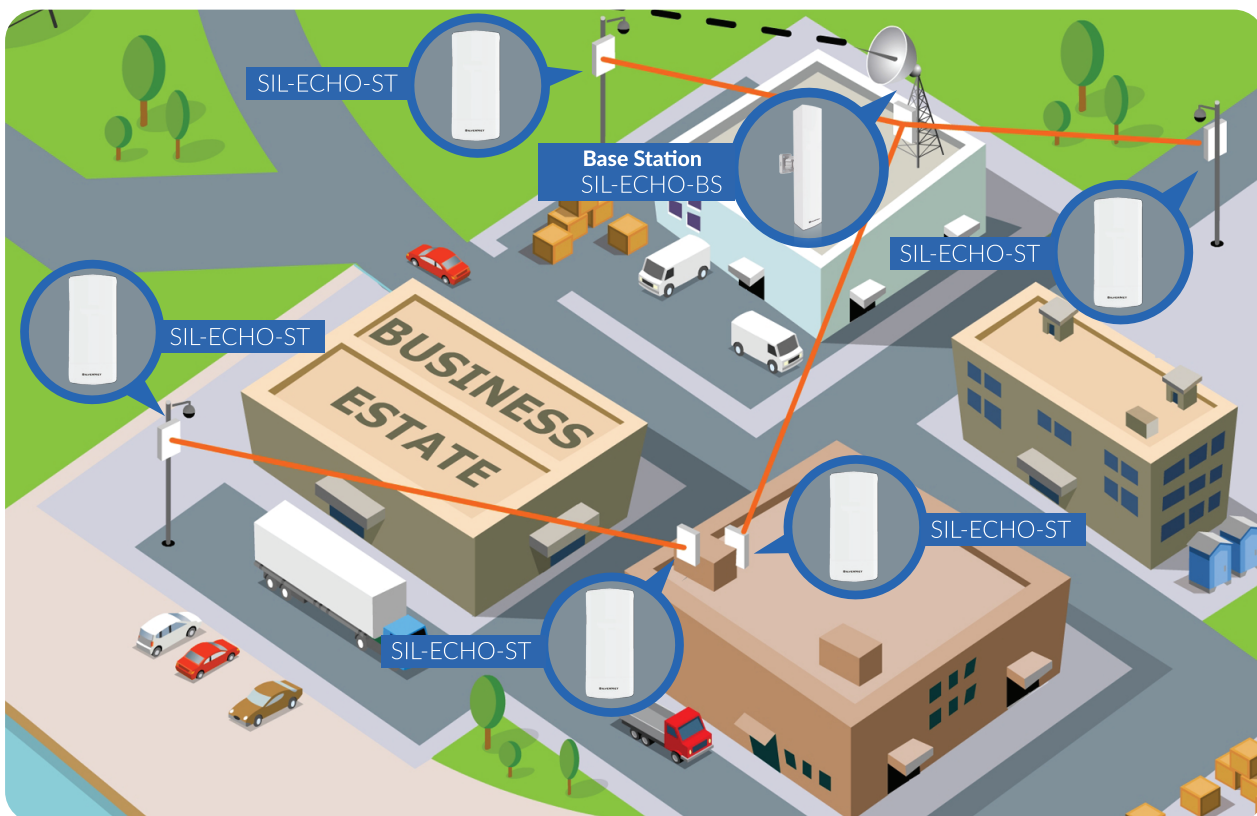


## SIL-ECHO-ST Client Premises Equipment

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
<b>Antenna</b>		
Antenna Gain	16dBi	16dBi
Beamwidth	H: 120°, V: 8°	H: 45°, V: 14°
<b>Physical Parameters</b>		
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
<b>Power</b>		
PoE	24VDC	24VDC
Consumption	6W	6W
<b>Security</b>		
Firewall	Yes	Yes
Encryption	WPA/WPA2-PSK (AES/TKIP)	WPA/WPA2-PSK (AES/TKIP)
<b>Interfaces</b>		
LAN Ports	10/100/1000 BASE-T (RJ45)	10/100 BASE-T (RJ45)
<b>LED</b>		
LED Lights	Power, LAN, WLAN and RSSI	Power, LAN, WLAN and RSSI
<b>Warranty - 1 year</b>		
Extendable to 2 Year	Yes	Yes
<b>Pack Contents</b>		
	Radio	Radio
	PoE PSU	PoE PSU
	Mounting Bracket	Steel Strap
	Steel Strap	

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