

SILVERNET

ECHO Range



Outdoor TDMA Base Station & Remote Client Premises Equipment

SILVERNET
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Version 1.1

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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

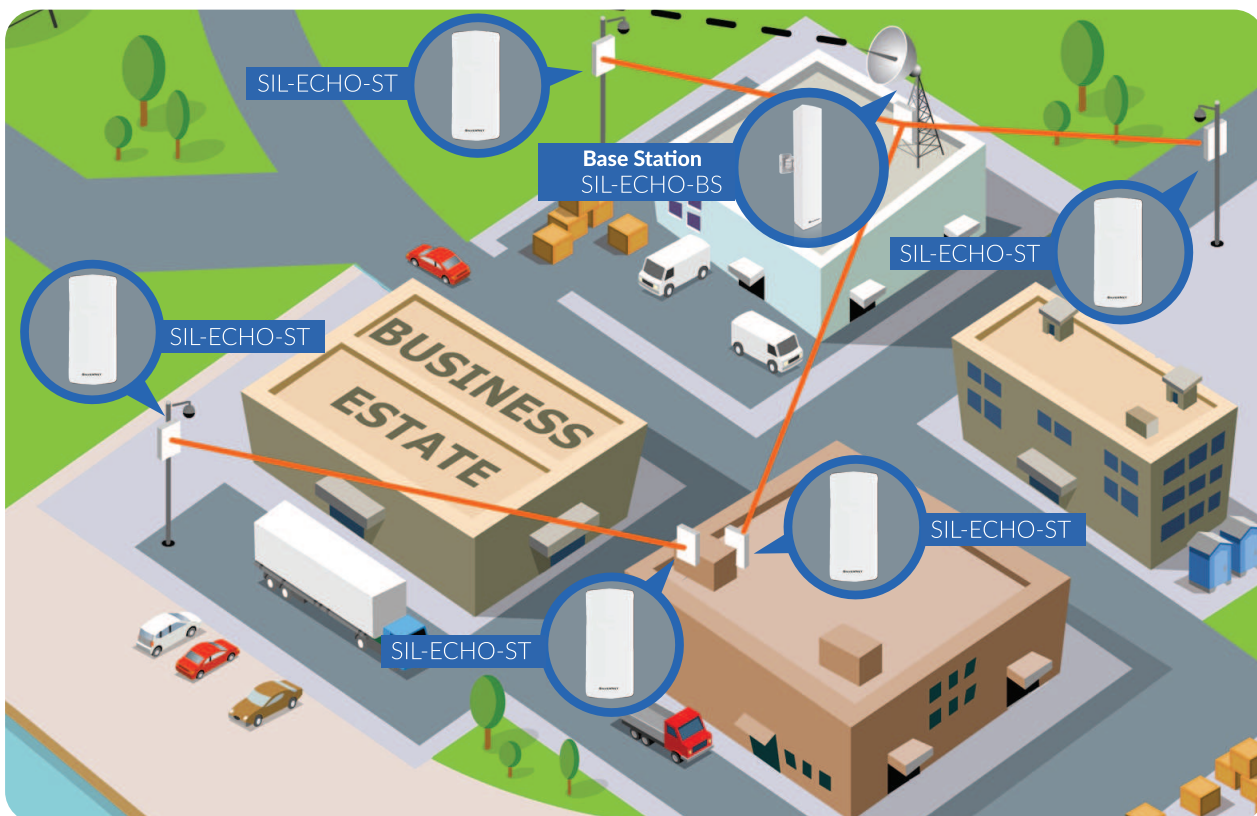


SIL-ECHO-ST Client Premises Equipment

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
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 PoE PSU Mounting Bracket Steel Strap	Radio PoE PSU Steel Strap

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