SILVERNET
WIRELESS-NETWORK-SOLUTIONS

+44 (0) 800 6521629
sales@silvernet.com
www.silvernet.com

60GHz MultiHaul Range

SIL TDD60M10-PCP
SIL TDD60M30-PCP
SIL TDD60M21-PCP



60GHz Unlicensed Wireless MultiHaul

SIL TDD60M10-PCP
57-64GHz 1Gbps
1 x RJ45

SIL TDD60M30-PCP
57-64GHz 1Gbps
3 x RJ45

SIL TDD60M21-PCP
57-64GHz 1Gbps
2 x RJ45 + 1 x SFP

OVERVIEW

The SilverNet 60GHz unlicensed MultiHaul links deliver cost efficient, interference free, Ethernet connectivity. Operating over an uncongested band , the point to point radio link can be swiftly deployed on street furniture to enable Gigabit connectivity up to a distance of 400m.

The 60GHz link comes complete with ruggedised brackets, PoE injector and AES 128-bit security as standard.
The range includes a **1 year** return to factory warranty as standard.

Features

- Interference Free Ethernet connectivity
- Point-to-Point up to 400m
- Up to 1Gbps throughput
- Designed for outdoor applications
- Small Form Factor
- Gigabit Ethernet
- AES 128-bits encryption as standard
- Power over Ethernet (PoE)
- WEB Management
- IP67 Rated
- Easy installation
- Operating Temperature -33°C to +55°C
- Ultra low latency TDD transmission
- Integrated 15 antenna
- SilverView Network Management Software
- 1 Year warranty

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Technical Specifications

MultiHaul Range	SIL TDD60M10-PCP	SIL TDD60M30-PCP	SIL TDD60M21-PCP
Radio			
Frequency, duplexing scheme	57-64GHz		
Modulation & Coding	9 levels of adaptive coding and modulation		
Throughput	Up to 1000Mbps in any direction (Upload/download based on demand: 0/1000, 1000/0, 500/500, etc)		
Transmission Distance	Up to 400m		
Antenna	Integrated antenna Horizontal scanning: 90°, Vertical beam-width: 20°		
System Gain	128.5dB (including antenna gain)		
Power	PoE, 10W (IEEE 802.3af) without PoE-Out, 55W with PoE-Out (IEEE 802.3at+)		
PoE-Out - Local side BU	ETH2: 26W (802.3at)		
PoE-Out - Remote side TU	N/A	ETH2: 26W (802.3at), ETH3: 13W (802.3af)	ETH2: 26W (802.3at)
Network			
Interfaces - Local Side	BU: 2 x RJ45 100/1000 BASE-T & 1x 1G/2.5G SFP		
Interfaces - Remote Side	TU: 1 x RJ45 100/1000 BASE-T	TU: 3 x RJ45 100/1000 BASE-T	TU: 2 x RJ45 100/1000 BASE-T & 1 x 1G/2.5G SFP
Management, provisioning & commissioning	Remote auto-provisioning; In-band, out-of-band management. Web GUI (one-click configuration of local and remote units) & Embedded CLI. SNMPv2/3, TACACS+, RADIUS.		
Ethernet Features	IEEE 802.1d transparent bridging, provider bridge – VLAN & VLAN stacking, jumbo frames; Port isolation; TU isolation; LLDP		
Network topologies	Point to Point, Hub & spoke, Daisy chain		
Security			
Encryption	AES 128-bit		
Other			
Environmental	Operating temperature: -33° to +55°C Ingress protection rating: IP67		
Conformance	Radio: US FCC 47 CFR Part 15.255; Japan Radio Equipment Certification Ordinance 2-1-19-4-2. EMC: US FCC 47 CFR Part 15; EN 301 489 Safety: UL 60950		
Dimensions	ODU + integrated antenna: 7.5” x 5.2” x 3.5” (19 x 13 x 9cm approx)		
Weight	ODU + integrated antenna (including mounting kit): 3 lbs. (1.36 kg)		

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