

60GHz Etherhaul Range

SIL TDD601-PCP
SIL TDD602-PCP
SIL TDD605-PCP
SIL TDD601G-PCP



60GHz Unlicensed Wireless Etherhaul

SIL TDD601-PCP 59-66GHz 100Mbps TDD 15cm antenna	SIL TDD602-PCP 59-66GHz 200Mbps TDD 15cm antenna	SIL TDD605-PCP 59-66GHz 500Mbps TDD 15cm antenna	SIL TDD601G-PCP 59-66GHz 1000Mbps TDD 15cm antenna
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OVERVIEW

The SilverNet 60GHz unlicensed Etherhaul 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 capacity- hungry services.

The 60GHz link comes complete with ruggedised brackets and PoE injector.
The range includes a **2 year** return to factory warranty as standard.

Features

- Interference Free Ethernet connectivity
- Point-to-Point up to 500m
- Up to 1Gbps throughput
- Designed for outdoor applications with rugged case design
- Small Form Factor
- 16 QAM to 64 QAM Modulations
- Gigabit Ethernet
- Power over Ethernet (PoE)
- WEB Management
- IP67 Rated
- Easy installation
- Operating Temperature -45°C to +55°C
- Ultra low latency TDD transmission
- Integrated 15cm Antenna
- SilverView Network Management Software
- 2 Year warranty

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Technical Specifications

Etherhaul Range	60GHz Unlicensed Etherhaul Links SIL TDD601-PCP SIL TDD602-PCP		60GHz Unlicensed Etherhaul Links SIL TDD605-PCP SIL TDD601G -PCP
Radio			
Frequency, duplexing scheme	57-66GHz, TDD		
Modulation	QPSK-1/QPSK-2/QPSK-3/QAM16/QAM64		
Adaptive rate	Hitless adaptive bandwidth, coding and modulation, boosting system gain by 21dB		5 levels of hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB
Throughput	Up to 200Mbps aggregated (User selectable symmetric or asymmetric bandwidth allocation: 50%/50% or 75%/25%)		Up to 1000Mbps aggregated (User selectable symmetric or asymmetric bandwidth allocation: 50%/50% or 75%/25%)
Transmission Distance	Up to 500m		
Antenna	Including integrated 36dBi antenna gain		
Power	PoE+ (IEEE 802.3at).		
Network			
Interfaces	3xGbE copper ports		
Management, provisioning & commissioning	Zero-touch turn up; In-band, out-of-band management. Web GUI (one-click configuration of local and remote units) & Embedded CLI. SNMPv2/3, TACACS+, RADIUS. Link OAM** & Connectivity Fault Management (CFM)**: IEEE802.3ah & IEEE802.1ag. Performance Monitoring*: ITU-T Y.1731. Spectrum analyser & IPERF TCP/UDP capacity tester		
Ethernet Features	IEEE 802.1d transparent bridging, Flexible 8-level QoS-aware SF/WFQ forwarding, based on VLAN-id/p-bits, IPv4 DSCP or MPLS EXP, 4K VLANs, 16K jumbo frames MEF 9,14 and 21, Redundancy and networking: LAG/LACP (IEEE 802.3ad), ERPS (ITU-T G.8032)		IEEE 802.1d transparent bridging VLAN & VLAN stacking, 4K VLANs. Jumbo Frames: 16KB. MEF 9,14 and 21 compliant Ethernet services. Ring Protection Switching: ITU-T G.8031 ERPS (*FTL). Link state propagation. Configurable QOS aware forwarding. 8 level H-QOS with flexible mapping options: L2 (802.1p, VLAN id), L2.5 (MPLS EXP) and L3 (DSCP)
Network topologies	Ring, daisy chain, mesh		
Security			
Encryption	AES 128-bit and 256-bit		
Other			
Environmental	Operating temperature: -45° to +55°C Ingress protection rating: IP67		
Conformance	ETSI EN 302 217, UK IR 2078 & IR 2000, USA FCC Part 15.255, EMC, safety UL60950		FCC Part 15.255, ETSI EN 302 217-3 & UK IR 2078 & IR 2000, EMC, USA FCC 47CFR part 15 & ETSI EN 301 489, safety UL/EN 60950
Dimensions	ODU + integrated antenna: 5.9” x 6.1” x 3.5” (16.5 x 16.5 x 10cm)		
Weight	ODU + integrated antenna: 3.9 lbs. (1.8 kg)		

** SW license dependent