

## 60GHz Etherhaul Range

SIL TDD605-PCP  
SIL TDD601G-PCP



### 60GHz Unlicensed Wireless Etherhaul

**SIL TDD605-PCP**  
59-66GHz 500Mbps  
TDD 15cm antenna

**SIL TDD601G-PCP**  
59-66GHz 1000Mbps  
TDD 15cm antenna

#### 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 **1 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
- 1 Year warranty

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## Technical Specifications

Etherhaul Range	60GHz Unlicensed Etherhaul Links SIL TDD605-PCP	60GHz Unlicensed Etherhaul Links SIL TDD601G -PCP
<b>Radio</b>		
Frequency, duplexing scheme	57-66GHz, TDD	
Modulation	QPSK-1/QPSK-2/QPSK-3/QAM16/QAM64	
Adaptive rate	5 levels of hitless adaptive bandwidth, coding and modulation, boosting system gain by 25dB	
Throughput	Up to 500Mbps 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).	
<b>Network</b>		
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 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	
<b>Security</b>		
Encryption	AES 128-bit and 256-bit	
<b>Other</b>		
Environmental	Operating temperature: -45° to +55°C Ingress protection rating: IP67	
Conformance	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