

Gemini Communication Ltd.

Innovation & Leadership

Product Training – Radwin WinLink 1000

Ref. 1050005100

Air Interface

Frequency Bands	5.725-5.850 GHz
	5.470-5.725 GHz
	5.250-5.350 GHz
	4.940-4.990 GHz
	2.400-2.4835 GHz / 2.300-2.400 GHz
Channel Bandwidth	5MHz, 10MHz and 20MHz
Polarization	H or V
RF Channel Selection	Via NMS (Manual/ACS), 5 MHz Resolution
Transmit Power	Configurable up to 18dBm max
Duplex Technique	TDD (Time Division Duplex)
Sensitivity (dBm) @ BER < 10e-11	-87 -84 -80 -79 -73 -66
Rate (Mbps)	-62 12 18 24 36 48
Modulation @ OFDM (Adaptive)	BPSK QPSK 16QAM 64QAM

Ethernet Services

- 1 or 2 Ethernet interfaces in indoor units
- 10/100BaseT with auto-negotiation (IEEE 802.3)
- Layer 2 Ethernet bridge
- Self-learning of up to 2047 MAC addresses (IEEE 802.1Q)
- Support of 1+1 applications (HUB/Bridge selectable mode)
- Up to 18Mbps symmetrical net throughput
- VLAN transparent
- Latency < 3msec (typical)
- Retry mechanism for loss-less connection

TDM (E1/T1) Services

- 1 to 4 E1/T1 interfaces in the indoor units
- Standard E1/T1, compliant with ITU-T standards
- Unframed E1/T1
- BER < 1×10^{-11} @ sensitivity threshold
- Accurate clock recovery mechanism (<0.05 PPM)
- One way delay < 8msec
- Advanced clock configuration:
 - Transparent (default)
 - LBT / Recovered or Recovered / LBT
 - Internal/Recovered or Recovered/Internal

Thank You
Contact : info@gcl.in