

Siklu REFERENCE GUIDE



Why Siklu Millimeter Wave?

- Recognized leader and innovator in mmWave technology since 2011
- ROI - **3 to 4 times less expensive than trenching fiber** and 1/10 of the time to revenue
- Outstanding product quality and support
- Economically priced carrier-class equipment

Siklu's Key Selling Points

- Complete mmWave wireless offering - **PtP and PtMP**
- Fiber-like wireless - up to 10Gbps full duplex
- 60GHz, 70/80GHz bands - **narrow beams, no Interference**
- Proven reliability- >90 year MTBF
- Adaptive Modulation overcomes weather-related downtime
- Extremely high reuse factor even in dense urban areas

mmWave Applications

- Video Surveillance Connectivity
- Business / Residential 5G Fixed Wireless
- Smart Cities and Wi-Fi Backhaul
- Macro and Small Cell Backhaul
- Fiber extension / redundancy

Point-to-Multipoint



- License exempt 60GHz (V-Band)
- 100Mbps - 1.8Gbps aggregated capacity
- Range: up to 300m. / 985ft.
- Beam-forming with automatic alignment
- Integrated 90° sector scanning antennas

Point-to-Point Street-Level

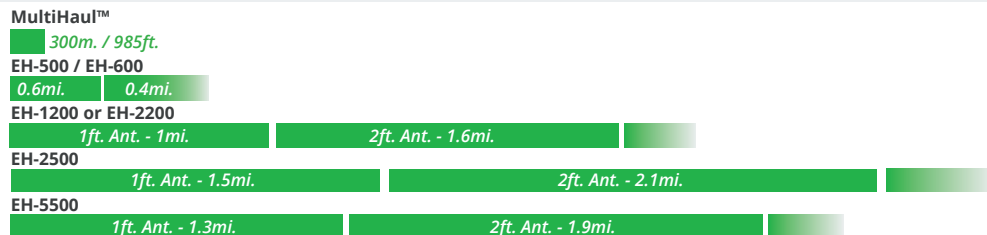


- License exempt 57-71**GHz (V-Band)
- 100Mbps - 1Gbps aggregated capacity
- Range: up to 0.6 miles
- 11 non-overlapping full-capacity channels
- Minimal footprint with integrated antenna

Distance Guide

99.99% availability; Chicago area (rain zone K) at half capacity

For performance at other locations, visit: www.siklu.com/tools/etherhaul_LBC



Point-to-Point Rooftops



- Lightly licensed 70/80GHz (E-Band)
- 100Mbps - 10Gbps capacities
- Range: > 2 miles
- Up to 18 non-overlapping full-capacity channels
- Available with 1ft/2ft antennas

Product Matrix

Product	Band	Configuration	Installation	Antennas	Base rate	Max rate w/upgrade*	Gigabit ports	Operational Power [W]	PoE out [W]	Networking features
BU: MH-B100	60GHz License exempt	PtMP	Street level	Integrated with +90° coverage	500Mbps TDD	1.8Gbps TDD	2x Copper + 1xSFP	10	26	<ul style="list-style-type: none"> • IEEE 802.1d transparent bridging • VLAN & VLAN stacking • 128 bit AES encryption
TU: MH-T200	60GHz License exempt	PtMP	Street level		100Mbps TDD	1Gbps TDD	1 or 3x Copper	10	26+13	
EH-500TX	60GHz License exempt	PtP	Street level	Integrated - 36dBi	100Mbps TDD	200Mbps TDD	3x 1G base T	26	2x26 / 40+13	<ul style="list-style-type: none"> • IEEE 802.1d transparent bridging. • VLAN & VLAN stacking. • Smart Pipes Port Mode or LAG with LACP. • G.8032 Ethernet Ring Protection. • Link state propagation. • 16KB Jumbo frames. • Configurable QoS-aware forwarding. • 8 level H-QoS with multi mapping options: • L2: 802.1p, VLAN id., L2.5:MPLS EXP, L3: DSCP. • Ethernet OAM and CFM. • 128/256-bit AES encryption. • Timing: SyncE & 1588v2 available with T and F series (not TX/FX/FD).
EH-600TX	60GHz License exempt	PtP	Street level		500Mbps TDD	1Gbps TDD	3x 1G base T	26	2x26 / 40+13	
EH-1200TX	70GHz Lightly licensed	PtP	Rooftops	1 ft. - 43dBi 2 ft. - 50dBi	700Mbps TDD	1Gbps TDD	2x 1G base T + 2x 1G SFP	26	26	
EH-1200FX	70/80GHz Lightly licensed	PtP	Rooftops		1Gbps FDD	1Gbps FDD	2x 1G base T	40	13	
EH-2200FX	70/80GHz Lightly licensed	PtP	Rooftops		1Gbps FDD	2Gbps FDD	2x 1G base T + 2x 1G SFP	40	13	
EH-2500FX	70/80GHz Lightly licensed	PtP	Rooftops		1Gbps FDD	2Gbps FDD	2x 1G base T + 2x 1G SFP	45	13	
EH-5500FD	70/80GHz Lightly licensed	PtP	Rooftops		2Gbps FDD	5 or ^10Gbps FDD	1x 10G SFP+	30	None	

PtMP MultiHaul™: BU - Base Unit; TU - Terminal Unit

*Max rate is subject to software license

**64-71GHz band: recently released by FCC, pending approval

^10Gbps: 2+0 radios with OMT and single antenna

FDD - Full Duplex | TDD - Aggregated

Territory map on back

Siklu TERRITORY MAP



Matthew Musial
Director of Sales
USA Central and East
matthew.m@siklu.com
+1-512-2843777



Craig L. Burgess
Director of Sales
USA West
Canada West
craig.b@siklu.com
+1-720-3555030



Boris Maysel
Director of Business
Development
boris.m@siklu.com
+1-408-6096255



Alex Doorduyn
Director of BD and Sales
Security and Surveillance
alex.d@siklu.com
+1-323-2178199



Paul Lefebvre
Channel Development and
Marketing Manager
Canada East
paul.l@siklu.com
+1-613-2999674



Timothy Murphy
Pre-Sales USA Manager
timothy.m@siklu.com
+1-503-3290903



Motti Goldis
Technical Manager
North America
motti.g@siklu.com
+1-412-2511066



Dganit Nevo
Sales Operation USA & Canada
USA West
dganit.n@siklu.com
+1-201-2540212,
+1-201-4065996

