

CBNL Africa



E-BAND & V-BAND ACCESS & BACKHAUL SOLUTIONS

E-Band Wireless in Africa

CBNL
Africa

- E-Band is becoming a viable and cheap solution to ensure very high capacity
- Low Capex and in many cases low Opex (spectrum low cost) are the unique drivers for fast adoption
- Optical solutions cannot be as pervasive and as fast as E-band,
- E-band meets 5G Capacity requirements
- E band needs are driven by traffic congestion & frequent fiber outages
- Fiber ROW restrictions in major cities
- Exponential subscriber growth and high demand for data connectivity
- Increase nodal access points beyond current capacities (>800mbps)
- Affordable spectrum fees. Although some countries are now licensing the E-band
- Ease of deployment
- Web based planning tools

E-band Solution Siklu (Ceragon)

Applications

- 20Gbps link – 2x 10Gbps links on the same antenna, traffic management, such as aggregation at the Cell Site Router level, to streamline and simplify network operation
- 2ft or 1ft antenna selection

Builds on EH-8010FX success

- Best in Class RF
- Seamless, straight forward fiber extension for any deployment needs
- Start with 1 radio (10Gbps), upgrade to 20Gbps with adding one radio and an OMT

Ports and interfaces on each radio

- XPIC port for RF synch and control between the radios
 - 2* SFP+ (10Gbps each)
 - 1* 1G RJ45
 - Dual 48V DC powering with auto redundancy:
 - 1* Direct 48V DC input with supplied terminal block
 - PoE-In via the 1G RJ port
- DVM probs sockets for RSSI measurement during alignment mode

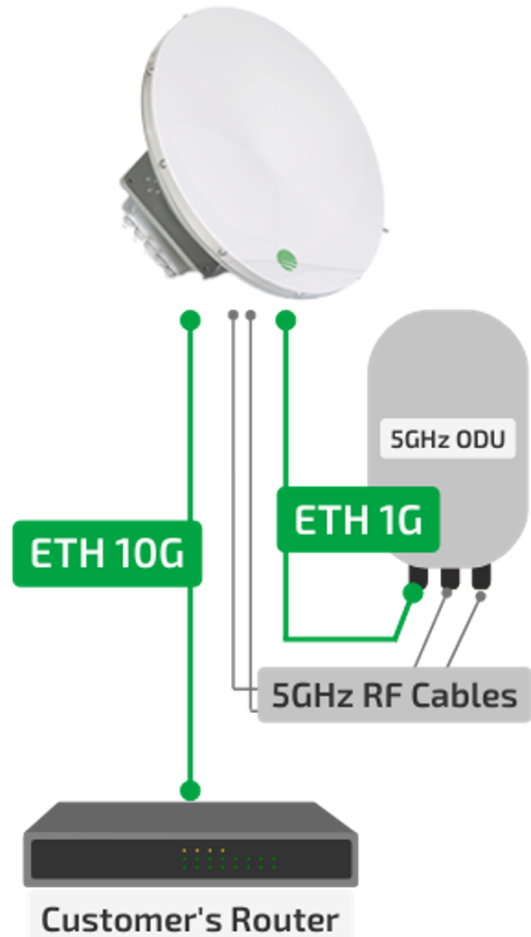


Functionality

- EH-8010FX adding XPIC functionality and making available the OMT

Siklu (Ceragon) E-Band

- ExtendMM™ Implementation option 1: **Single Antenna**



Your 5GHz ODU



ExtendMM 70/80GHz + 5GHz

Single antenna vendor-agnostic multiband

70/80GHz ODU | Siklu's DL5 dual-band Antennas | 5GHz RF Cables | Automatic backup control | Works with any connectorized 3rd party 5GHz