MINI-LINK 6366

MINI-LINK

Building an efficient microwave backhaul network with end-to-end performance in mind; requires high node capacity, compact and modular building practice and advanced packet functionality. The microwave nodes also need to be capable of handling single hops as well as advanced hub sites for larger networks.

By combining MINI-LINK outdoor units and indoor units, all network scenarios are supported with superior performance and lowest possible cost of ownership.

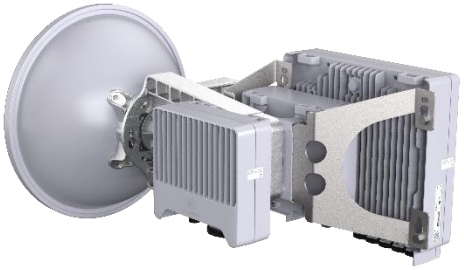
Ericsson is the market leader in microwave transmission and has over 40 years of microwave experience with more than 4 million radio units delivered to over 180 countries

High capacity outdoor node

A network node for the future requires high node capacity which means high capacity for switch, radio links and interfaces. MINI-LINK 6366 is a packet only all-outdoor node with a switch capacity of 9.5 Gbps with multiple 1/2.5 Gbps interfaces. The node supports radio link up to 2.5Gbps with high modulation of 4096 QAM, wide channels up to 112/125 MHz supporting L3 VPN's, which makes it well positioned on the road to 5G.

Flexible and modular building practice

MINI-LINK 6366 is a product for all-outdoor deployments together with one or two MINI-LINK 6363 radio(-s). MINI-LINK 6366 also offers a flexibility to handle different site characteristics. Mount everything direct to the antenna or use a split-mount deployment where MINI-LINK 6366 is placed closer to ground while MINI-LINK 6363 radio(-s) are mounted to the antenna. Build 1+0, 1+1 and 2+0 configurations with the same building blocks for 6 to 80 GHz or combine two different frequency bands for a Multi-Band Booster configuration.



Network scenarios

MINI-LINK 6366 is a packet only all-outdoor node for hops or thanks to its hop compatibility an all-outdoor end node to MINI-LINK TN or MINI-LINK 6600 nodes.

Advanced packet handling

A microwave network node needs to have integrated Ethernet Switching functionality, reducing the cost and complexity by not needing external equipment. Hierarchical QoS enables sharing of networks between several operators with multiple technologies. The node supports L3 VPN using IP/MPLS.

Technical specification MINI-LINK 6366

RADIO LINK 6-42 GHZ	1.4 Gbps 1+0 in 112 MHz (ETSI) 2.5 Gbps 2+0 RLB in 112 MHz (ETSI) 1.0 Gbps 1+0 in 80 MHz (ANSI) 2.0 Gbps 2+0 RLB in 80 MHz (ANSI) using 4096 QAM
RADIO LINK 70/80 GHZ	1.1 Gbps 1+0 in 125 MHz (ETSI) 2.2 Gbps 2+0 RLB in 125 MHz (ETSI) using 1024QAM
RADIO LINK	ATPC, Radio Link Bonding, XPIC, Adaptive Coding Modulation, Multi-layer Header Compression, Multi-band Booster
PROTECTION AND CONFIGURATION	1+1 Radio equipment protection 1+1 Hot standby and Space Diversity 2+0 Radio Link Bonding ERP, RSTP
WEIGHT	MINI-LINK 6366 1+0: 4.0kg (8.8 lbs)
DIMENSION (H X W X D):	MINI-LINK 6366: 291x310x70 mm, 11.5x12.2x2.8 inch
POWER SUPPLY	-48 V DC
POWER CONSUMPTION	Typ. 54-65 W for 1+0 configuration Typ. 70-96 W for 2+0 configuration
ENVIRONMENTAL SPECIFICATION	-33°C to +55°C / -27F to +131°F IP 66
ENERGY EFFICIENCY	Traffic Aware Power Save
TRAFFIC INTERFACES	2x100/1000 BASE-T IEEE802.3 2xOptical GbE via 1000/2500 BASE-SX/LX/ZX IEEE802.3
SWITCHING & ROUTING	IEEE 802.1Q-2011 Customer and Provider Bridge, Bridge Virtual Interface, LAG/LACP, RSTP, ERP, H-QoS, BNM, VRF, OSPF, eBGP, IS-IS, RSVP-TE FRR, IP/MPLS L3 VPN, LDP, BFD, BGP FRR, MP-BGP
OAM	Link OAM, Service OAM FM/PM, Y.1731, TWAMP Reflector Light
SYNCHRONIZATION	Sync E, 1588v2 (Telecom profile G.8275.1), , Frequency (G.8265.1), NTP transparent
DATA COMMUNICATION NETWORK	DCN over VLAN, Routed DCN (OSPF), DCN over VLAN for L1 connection
NETWORK MANAGEMENT	Supported by ENM, IP transport NMS, ServiceOn, Node GUI and CLI SNMP v3, SSH, RADIUS, TACACS
STANDARDS AND RECOMMENDATIONS	CEN/CENELEC, ETSI, ITU, IEC, IEEE, IETF

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