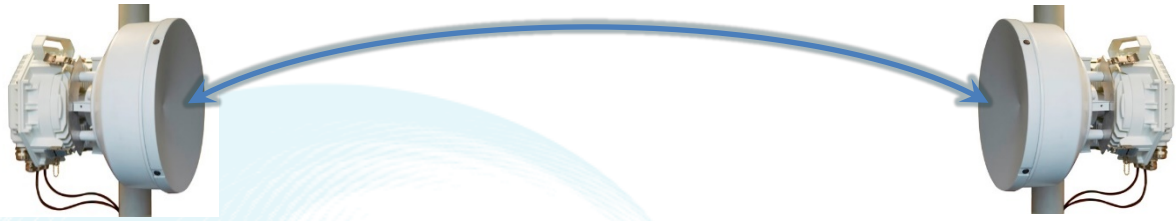


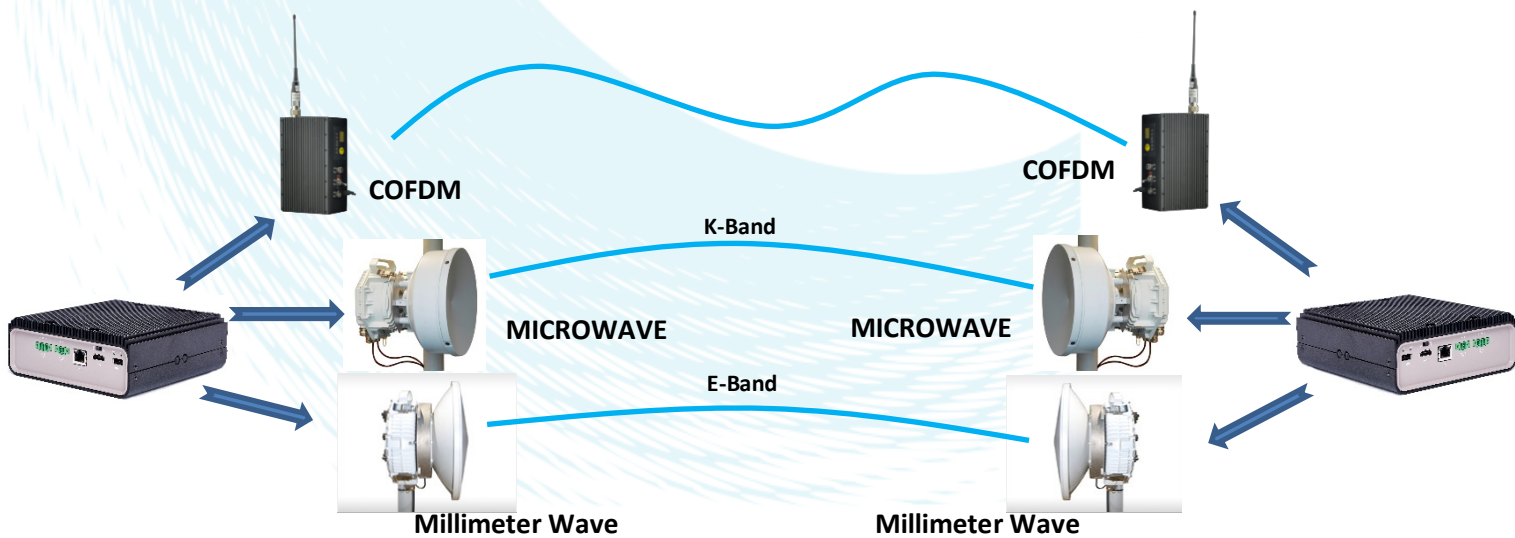
## ELSIGHT RF-IP Multiplexer



\* pictures are for illustrative purposes only

### Product Description:

ElSight RF-IP Multiplexer provides seamless, secure IP network across various ethernet links either wireless or wired (Microwave, Millimeter waves, satellite, DSL, LAN, etc) which are aggregated together and form a wide bandwidth communication network that can be configured as L2 or L3.



\* pictures are for illustrative purposes only

## Elsight ELS-E Link (RF) - Technical Specifications

The link operates at E-Band frequency of 71-76 GHz TDD duplexing with the approval of the ministry of communication
Bandwidth Up to 1 Gbps
Encryption standard: AES 128-bit and 256-bit
Up to 5 level of hitless adaptive bandwidth, coding and modulation
Interfaces: 2xGbE copper ports RJ45 + 2XGbE Optical SFP
<p>Ethernet features:</p> <ul style="list-style-type: none"> <li>IEEE 802.1d transparent bridging</li> <li>VLAN &amp; VLAN stacking, 4K VLANs</li> <li>MEF 9, 14 and 21 compliant Ethernet services</li> <li>Smart Pipes Transparent Ports Mode</li> <li>Link aggregation: LAG and LACP (IEEE 802.3ad)</li> <li>Ethernet Ring Protection Switching: ITU-T G.8032 ERPS</li> <li>Link state propagation</li> <li>16KB Jumbo frames</li> <li>Configurable QOS-aware forwarding</li> <li>8 level H-QoS with multi mapping options:</li> <li>L2: 802.1p, VLAN id., L2½: MPLS EXP, L3: DSCP</li> </ul>
<p>Conformance:</p> <ul style="list-style-type: none"> <li>Radio: FCC CFR Part 101, ETSI EN 302 217-2-2; EMC: USA FCC 47CFR. Part 15 &amp; ETSI EN 301 489;</li> <li>Safety: UL/EN 60950</li> <li>Link OAM &amp; Connectivity Fault Management (CFM): IEEE802.3ah &amp; IEEE802.1ag;</li> <li>Performance Monitoring: ITU-T Y.1731 (*FTL). IPERF TCP/UDP capacity tester.</li> <li>Management: SNMPv2/3, TACACS+, RADIUS.</li> </ul>
Power supply: PoE+ (IEEE 802.3at), 26W without PoE-Out; up to 78W with PoE-Out;
<p>Environmental: Operating Temperature: -45° to +55°C (-49° to +131°F)</p> <p>Ingress Protection Rating: IP67</p>
<p>Dimensions:</p> <ul style="list-style-type: none"> <li>ODU + 0.5ft antenna: 7.9" x 9" x 5.9" (20 x 23 x 15cm)</li> <li>ODU + 1ft antenna (Dia. x Depth): 12.6" x 8.6" (32 x 22 cm)</li> <li>ODU + 2ft antenna (Dia. x Depth): 28.7" x 18.1" (73 x 46 cm)</li> </ul>

## Elsight ELS-M – Technical Specifications

Elsight Multiplexer provides aggregation of up to 8 ethernet based links which can be either wireless or wired and up to a total bandwidth of 380 Mbps.
GNSS based GPS (Optional)
Encryption standard: AES 256
Fail-Over: configurable fail over link, according to priority list and threshold
Channel sensing: periodically sense and rank channels according to their availability, throughput and quality
Load-Balancing: Choose best available link per session
VPN Options: VPN Layer 2, MAC-based tunneling; VPN Layer 3, IP-based (next-hop) tunneling
Power Supply & Consumption: Input: 9-30 VDC; 12W (power adapter for 220v will be supplied with the product)
Working Humidity Level & Temp: -10°C ~ +55°C ; 10% ~ 90%
Dimensions (WxDxH): 159x154x50mm
Weight: 1.2 Kg

## Elsight Product Numbers

Product Model:	Description:	Catalog No:
ELS-RFIP-30	Elsight RF-IP Multiplexer	C0000871
ELS-M1	Elsight Multiplexer	C0000869
ELS-E20	Elsight E-Band RF Link	C0000870