



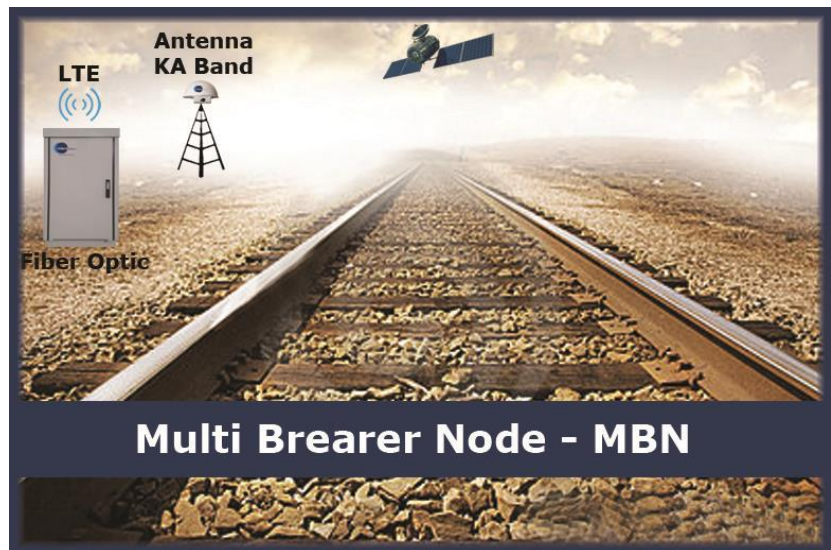
MBN

MULTI BEARER NODE

Brochure

MBN is a product that provides wired and wireless connectivity to devices that need to send/receive data. It is capable to manage several communication technologies in single or redundant mode with configurable priority level and enables secure, cost effective, large scale deployment of communications and processing power for harsh environment applications.

The available wired connectivity is fiber optic ring and the available wireless connectivity are LTE and Satellite in Ka-band.



INTECS Solutions

INNOVATIVE SOLUTIONS FOR TELECOMMUNICATION



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TECHNICAL DATA

Transfer rate

- For industrial Ethernet: 10/100 Mbit/s *Throughput:*
 - Uplink: max 3 Mbits
 - Downlink: max 20 Mbits
- For WAN connection: Up to 100 Mbps
- For fiber optic: 1 Gbps

Power Supply: 150-220 Vac

Terrestrial Wireless Connectivity

- EDGE/GPRS/GSM 850/900/1800/1900 MHz
- UMTS/HSDPA+ 850/900/1900/2100 MHz
- LTE 700-B13, B17, 800/900/1800/2100/2600 MHz
- Number of SIM cards supported 2

Power consumption: max 300 Watt

Operating Temperature: -25° + 70° C

Protection Class

- Cabinet: IP55
- Dome: IP65

Dimensions

- Cabinet: 19" 12U
- Dome: 60x60x60 cm (WxHxD)

Reliability: MTBF > 10 years

Certification

- CE certification
- Shock/Vibration: IS402
- EMC: IS402
- Electrical: IS402
- Thermal: IS402

Satellite Connectivity

Band:

- KA
- Tx: 29,5 - 30.0 GHz
- Rx: 19,7 – 20,2 GHz
- HCP/RHCP Circular Polarization

Tecnologies:

- iDirect

Satellite:

- THOR-7
- Athena Fidus
- others operator compliant with iDirect technology



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