

MobiEdge

The ultimate Mobile TV receiver

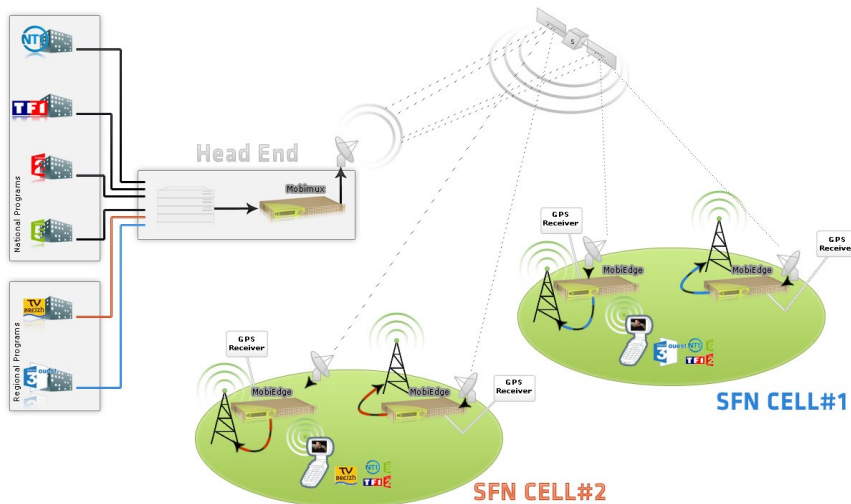


MobiEdge is unique and cost-effective solution featuring DVB-S2 satellite receiver, regional content distribution over DVB-H network, and saving operators OPEX by optimizing network distribution bandwidth for a national or regional DVB-H roll-out.

As first application, **MobiEdge** can be used as a DVB-S2 receiver to capture signal stemming from satellite and broadcast the signal as it is.

Combined with **MobiMUX** DVB-H IP Encapsulator located at the central head-end, **MobiEdge** can broadcast regional TV content with national content and supports the delivery over DVB-H Single Frequency Networks.

In addition, **MobiEdge** is based on a unique and patented solution that enables operators to drastically reduce their OPEX by optimizing the bandwidth of the distribution network. This applies for regionalization and also in a national only DVB-H configuration.



Applications

- DVB-S2 receiver
- DVB-H Mobile TV Broadcast
 - Regional content distribution
 - National roll-out applicable
 - Single Frequency Network support
 - Optimized bandwidth distribution

Benefits

- **Robust and cost-effective:** Hardware based
- **Reduce annual OPEX:** in a regional or national only configuration
- **Increase Mobile TV offering:** more TV channels with highest quality
- **Ultra-local content insertion:** ready to insert local content at the region level
- **Scalable:** Any MobiEdge can be integrated on the fly without any specific configuration. Only one MobiMUX IPE for all MobiEdge.
- **Service continuity in SFN:** Powerful redundant solution that maintains SFN in any case.
- **Reuse existing network equipment:** no need to update transmitters.
- **Low power consumption :** less than 20W

Characteristics

- DVB-S2 receiver
- Local DVB-H adaptation for
 - 1 Bandwidth optimization in all use cases
 - 2 Regional content distribution
 - 3 Ultra-local content insertion
- Single Frequency Network support
- Native statistical multiplexing
- Multiple Mobile Network operator capable

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Featuring

DVB-S2 reception	QPSK/8PSK modulation mode
DVB-H processing	Local DVB-H adaptation Native statistical multiplexing Multi-MNO Support
Services management	IPDC/OMA-BCAST compatible ECM/STKM insertion optimization Regional content broadcast
Single Frequency Network	Integrated SFN adapter Based on GPS reference
Monitoring and Supervision	Easy-to-use web based GUI Full SNMPv3 support

Ordering

MobiEdge-S2	DVB-S2 receiver only 2x DVB-ASI outputs
MobiEdge-S2 OptimEX	Bandwidth optimization of the network distribution Integrated DVB-S2 receiver
MobiEdge-S2 R15N	Regionalization support Integrated DVB-S2 receiver Includes bandwidth optimization of the network distribution
MobiEdge OptimEX	Includes bandwidth optimization of the network distribution 2x DVB-ASI inputs
MobiEdge R15N	Regionalization support Includes bandwidth optimization of the network distribution 2x DVB-ASI inputs

Options

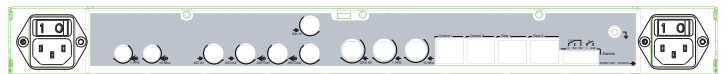
- Built-in GPS receiver (only for OptimEX and R15N)
- Redundant power supply
- 48VDC input

Inputs/Outputs

Data	2x Gigabit Ethernet data port
Control	2x Fast Ethernet for standard web based interface.
MPEG2-TS	2x ASI inputs 2x Mirrored ASI outputs
DVB-S2	1x RF input for DVB-S2 signal reception
GPS	1x TNC input for internal GPS 1x PPS and 1x 10 Mhz inputs 1x PPS and 1x 10 Mhz outputs

Physical

Height	43 mm / 1.7 in.
Width	440 mm / 17.4 in.
Depth	274 mm / 10.79 in.
Format	1 RU, width 19"
Power supply	100-240VAC 48V DC (option)
Power consumption	20W



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