

# EasyCell series

Product Leaflet

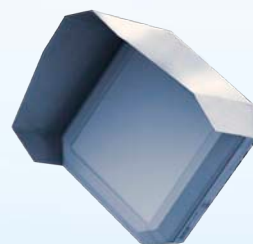


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## SmallCells Backhaul Complete Solution

The need of high capacity connectivity in the urban area is a new requirement brought in Mobile networks by the introduction of 4G/LTE small cell. Densification and geographical distribution at street level of the access points is characterizing the need for a new backhauling model.

EasyCell is a family of products comprising of sub 6GHz solutions, ptp and pmp connectivity, with True-NLOS smart antennas, millimetre wave (V band) 60GHz ptp high capacity links, and a MEF 2.0 aggregation gateway offering the best solutions tool box to address the the urban canyon connectivity challenge.



Venezia, Italy

# SMALL CELLS BACKHAUL SOLUTION

EasyCell family includes:

- EasyCell60, V-band (60GHz) millimeter wave radio link
- EasyCell-NT, Sub6 (2.6GHz, 3.5GHz and 5.4-5.8GHz) solution
- EasyCell Gateway, MEF 2.0 Ethernet aggregation equipment

EasyCell Series is the ideal set of solutions for Small Cells Backhauling, in dense urban areas, in extremely interfered scenarios (concurrent carriers as well as 5GHz "Wifi polluted" environment) and in tough propagation conditions (i.e. partial or complete NLOS), providing in each case connectivity with 100% carrier grade performances.



## MAIN CHARACTERISTICS

### EasyCell60

- 1.0Gbps full duplex - FDD
- 500MHz FDD channel BW
- QPSK-8PSK ACM
- Full Carrier Ethernet protocol stack
- Synchronous Ethernet and IEEE 1588v2 TC support.
- 35W reduced consumption, POE+ (802.3at)

### EasyCell-NT

- Smart Antenna with Beamforming and nullforming
- Up to 400Mbps aggregated throughput per link
- 10 to 40MHz channel bandwidth
- OFDM (256QAM ACM on each sub-carrier)
- PtP and PMP applications. PMP link capacity independent on the number of End Nodes

### EasyCell Gateway

- Indoor and Outdoor casing
- Up to 4x PoE ports
- POE++ up to 80W each, with Max 150W load
- Integrated voltage up-converter on PoE ports for maximum cable reach
- Synchronous Ethernet and IEEE 1588 v2 support
- MEF2.0 fully compliant
- MPLS ready
- Single NE with EasyCell Series

## TYPICAL APPLICATIONS

### EasyCell60

- Small Cell Backhauling street level deployment
- 4G-LTE Mobile Backhaul leaf connectivity
- Last Mile fiber extension
- Enterprise, leased lines, intracampus connectivity

### EasyCell-NT

- Small Cell Backhauling street level deployment
- True-NLOS scenarios
- Emergency wireless links
- Offshore application
- Complementary solution to fiber build in dense areas

### EasyCell Gateway

- Multiple any F.O. PoE powered units aggregation (not limited to EasyCell Series)
- Small Cells Backhaul aggregation unit
- MacroCell Network interworking element
- DCN demarcation device



MEMBER OF:



COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV = ISO 9001:2008 =