

Tactical Backpack

The Portable Solution designed
for mission critical applications





a Hewlett Packard Enterprise acquisition

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Athonet, a Hewlett Packard Enterprise acquisition, has created several Athonet Backpack solutions which include a smallcell LTE (up to 5W+5W) together with the Athonet EX-BOXLP server. The backpack is designed to be portable and battery powered is an LTE network out of the box. This solution creates a compact dedicated LTE network that can work with or without external connections and work anywhere.

Each Tactical Network can support thousand of provisioned users and large number of concurrent users. Coverage is depending of LTE radio frequency used and can reach more than 10Km.



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Dimensions	54x40x23 cm	52x38x24 cm
Weight without batteries and antenna	16 kg	16 kg
Operation Temperature	-20° to 50° C	-20° to 50° C
Material chassis	Special resin	Aluminium
Ingress Protection	IP65	IP65
CPU	4 cores/8 threads CPU, Intel® Core i7-6822EQ CPU @ 2.00GHz	8 cores/16 threads CPU, Intel Xeon D-1539 @ 1.60GHz
System memory	16 GB	48 GB
Storage	1TB	2TB
Ethernet	2x1GbE (RJ45) + 1x1GbE (optical fiber)	2x1GbE (RJ45) + 1x1GbE (optical fiber)
Wifi	2,4GHz	2,4GHz
Flexizone (Outdoor)	up to 1W+1W 2x2 MIMO	up to 5W+5W 2x2 MIMO
Bandwidth	3, 5, 10, 15, 20MHz	3, 5, 10, 15, 20MHz
Max Active Users	80	200 (10MHz)
Max Throughput	DL 150Mbps, UL 75Mbps (20MHz FDD configuration)	DL 150Mbps, UL 75Mbps (20MHz FDD configuration)

- 1 Portable and standalone**
LTE network solution that is mobile and can operate independent
- 2 Public safety support**
Mission Critical Push-To-Talk (PTT), IP based multimedia service (IMS), Evolved Multimedia Broadcast Multicast System (eMBMS)
- 3 Federated tactical network**
Extension cover relying two or more tactical networks
- 4 Centralized mobile core (EPC)**
Proven roaming capability to national MNOs
- 5 MVNO ready**
Public safety for mobile virtual network operator, field-proven
- 6 RoIP solution**
Embedded Roip solution to connect PTT call between LTE and radio (works with any radio solution)
- 7 B68 supported**
Athonet Tactical Backpack ATC-68 can be used with Band 68



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