



Lightweight, Portable & Rugged Wi-Fi System

Following development work we have undertaken for some customers in the communications sector we thought it would be interesting if we produced a basic portable W-Fi unit, ideal for events where there is generally no Wi-Fi available or where the installed Wi-Fi has limited range.

DMS technologies Basic Package Wi-Fi Specifications

WAN Interface	1 x FE Embedded 4G LTE/3G Modem with Redundant SIM Slots
LAN Interface	2x FE
Wi-Fi Interface	802.11b/g/n 300 Mbps Wi-Fi WAN and/or AP
Router Throughput	100Mbps
Recommended Users	1-60
Cellular and GPS Antenna Connector	2x SMA Antenna Connectors 1x SMA GPS Antenna Connector 1x Wi-Fi Connector
Battery LiFePO ₄	Provides 40+ hours run-time before re-charge
Power Input	DC Jack/Terminal Block: 10V – 30V DC
Power Consumption	16W (max.)
External Dimensions	270 x 215 x 165 mm
Weight	3.2kg
Runtime (normal operating)	40+ hours
Range	Informally tested to 100metres
Operating Temperature	-40° – 65°C
Ingress Rating	IP65
Battery	12.8V 7.5Ah LiFePO ₄
Humidity	15% – 95% (non-condensing)
Router Certifications	FCC, CE, RoHS, E-Mark RF Port Lightning Immunity: ITU-T K.20 (+/- 1.5 kV) EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance EN 50155: Railway Applications EN 61000: Electromagnetic Compatibility
Warranty	1-Year Limited Warranty

Note: This is a preliminary datasheet for initial discussion only.