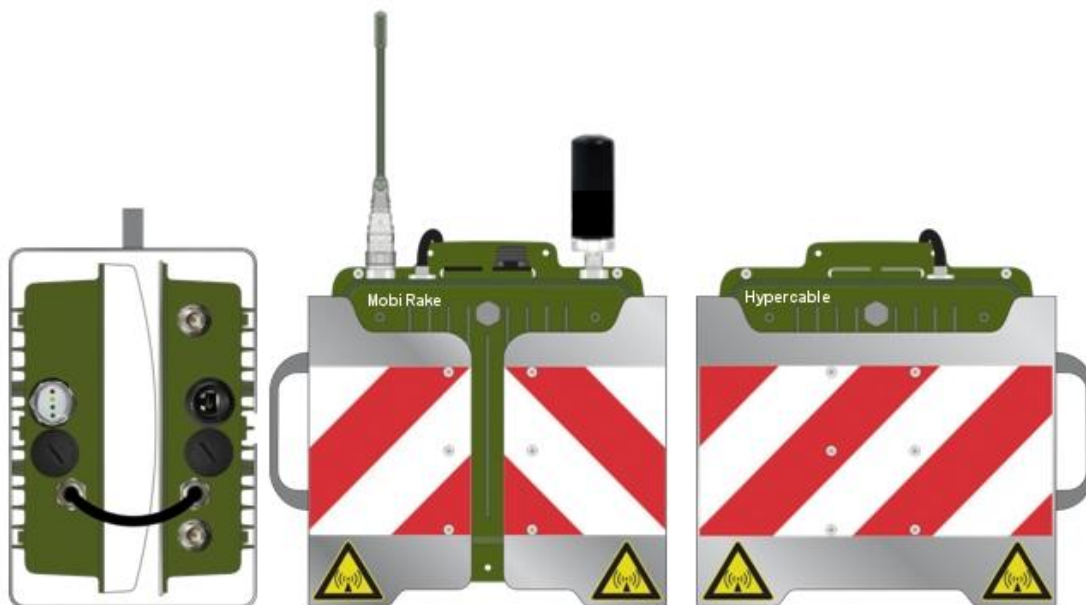


Portable Wireless MobiRake Repeater (PWR)



Specifications:

Radios	
Operating frequency	445 ~ 505 MHz & 4920 ~ 5850 MHz (IEEE 802.11a standard)
Radio power level	5W @ BPSK 1/2 (400 MHz); 100 mW @ BPSK (5GHz)
Channel bandwidth	5/10 MHz (400 MHz); 20/40 MHz (5 GHz)
Modulation	64 QAM (400 MHz); 64 QAM (5GHz)
Sensitivity	-92 dBm @ BPSK 1/2 (400 MHz); - 89 dBm @ BPSK (5 GHz)
Frequency stability	± 10 ppm
Effective Throughput (From remote staffs to control center)	
50% 50% Uplink ratio setting	3.5 Mbps single stream
In a 5 MHz bandwidth	3.98 Mbps streams aggregated
80% 20% Uplink ratio setting	4.5 Mbps single stream
In a 5 MHz bandwidth	5.2 Mbps streams aggregated
Interfaces	
RF connector	N-type (Jack) x 2
Ethernet	IEEE 802.3 (10 Base-T) / IEEE 802.3u (100 Base-Tx)

Manageability	
Management and setup	Web-based configuration
Operating mode	Base Station/CPE (400 MHz); AP/Client/WDS (5 GHz)
SNMP agents	MIB II
Protocol	TCP/IP, IP/SPX, NetBEui
Security	
400 MHz Radio	WEP-128 bits / AES-256 bits encryption
	Proprietary protocol
5 GHz Radio	64/128/152 bits encryption; WPA-PSK, WPA2 (AES-128 bits)
	802.1x Auth. (EAP)
	MAC Address Access and protocol Filter
	Disable broadcast SSID; Wireless Isolation
System	
Power consumption	23~25 WH (dual radios)
Operating temperature	-20°C ~ 60°C
Storage temperature	-30°C ~ 60°C
Humidity	95% non-condensing
Battery pack	
Battery cell	26650 LefePo4 Battery cell
Available power capacity	160 WH
Autonomy time	6~7 hours
BMS (battery management system)	
Overcharge protection	
Overdischarge protection	
Charge/discharge balance system	

***All specifications are typical values and subject to change without prior notice.**