

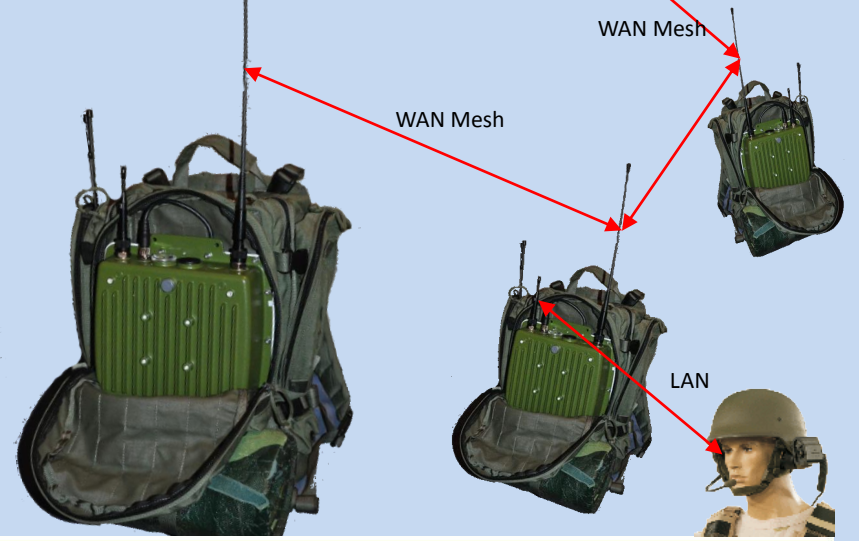


$$e = \sum_{n=0}^{\infty} \frac{1}{n!} = \lim_{n \rightarrow \infty} \left(\frac{1}{0!} + \frac{1}{1!} + \frac{1}{2!} + \dots + \frac{1}{n!} \right)$$



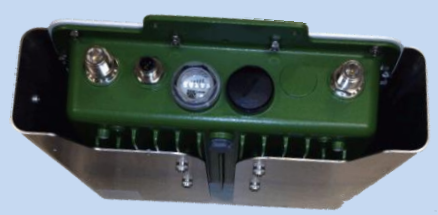
Specifications :

- ❖ WAN Frequency 440-500MHz & WiFi
- ❖ 5 /10 MHz channel bandwidth
- ❖ Output power 5Watts
- ❖ Modulation Rake to 64 QAM
- ❖ Frequency stability 2ppm
- ❖ Sensitivity :
 - 0.25 Rake mode -103 dBm
 - 64 QAM mode -75 dBm
- ❖ OFDM - CSMA - OLSR-Mesh
- ❖ Data speed (throughput) :
 - 25 kbps minimum
 - Up to 10 Mbps
- ❖ LAN WiFi 802.11 n AP Bridge
- ❖ WEP-128 bits / AES-256 bits



Stream for modulation 64 QAM

CHANNEL BW	TPS aggregated
5 MHz	5 Mbps
10 MHz	10 Mbps



Modulation	UDP data gram (byte)	packets	Throughput (kbps)	
Rake 0.25	100	-103dBm	31	25 kbps
Rake 0.5	100		65	50 kbps
Rake 0.5	200	-100dBm	50	80 kbps
Rake 1	100		137	110 kbps
Rake 1	200		81	130 kbps
Rake 1	1470	-98dBm	19	220 kbps
Rake 2	100		263	210 kbps
Rake 2	200		188	300 kbps
Rake 2	1470	-95dBm	37	430 kbps
Rake 3	100		376	300 kbps
Rake 3	200		250	400 kbps
Rake 3	1470	-93dBm	58	670 kbps
BPSK 1/2	200		500	800 kbps
BPSK 1/2	1470	-90dBm	110	1.30 Mbps

➤ For all common specification, download the Wi10-PWS Series