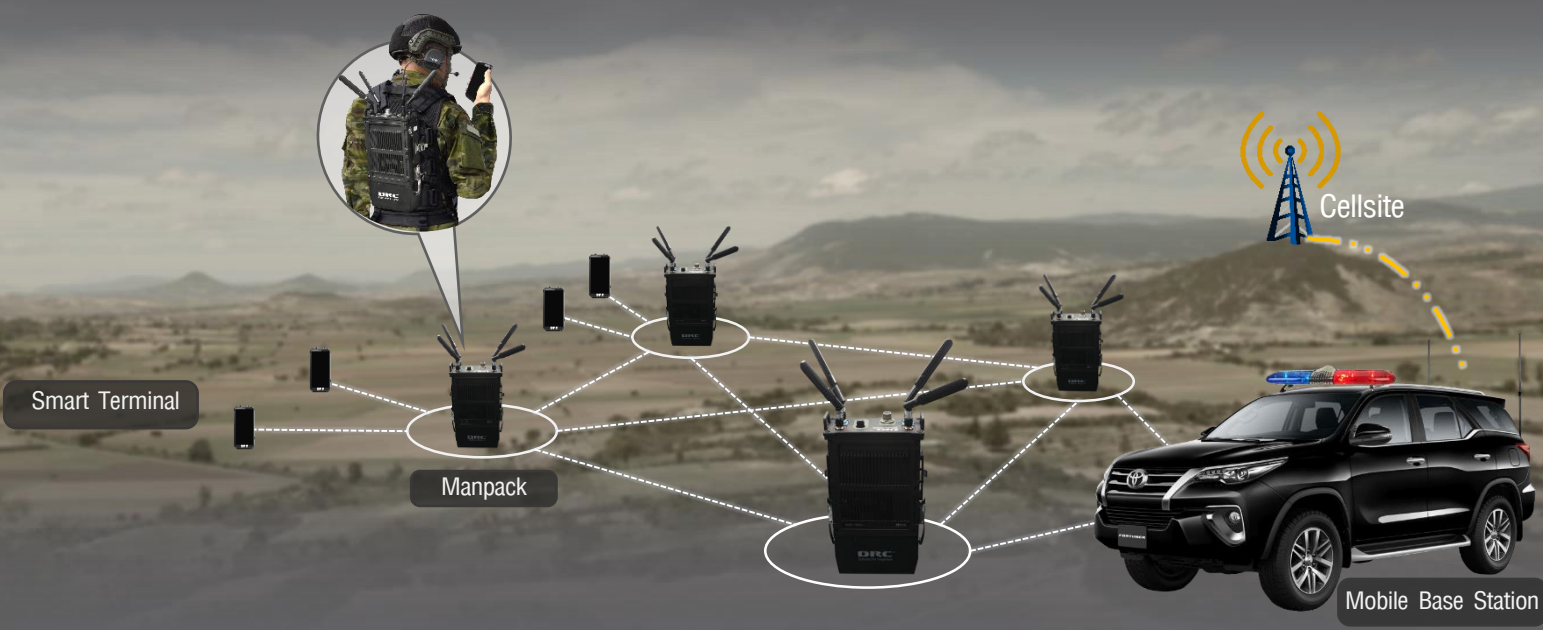


Mesh Network for Critical Mission and Public Safety Technology



FlexRadio Network apply 4G-LTE MIMO 2x2 Double Frequency or MIMO 4x4 Single Frequency for High Speed Data, Video Streaming and high-quality Push to Talk. Thanks to Mesh Network, FlexRadio is suited for Critical Mission or Public Safety. Sample scenario: vehicle VIP protection, rescue people from far and no signal area such as in the cave.



FEATURES

- Mesh Networking
- MIMO Technology
- Voice, Data and Video Streaming
- Interoperability
- High Speed Data
- Licensed & Unlicensed Band
- Web Based management
- Support DES or AES-256 bit
- Military Standard
- IP66 Protection standard

System Diagram

Create your own network automatically Connect to Mesh Network.



Technical Specification

GENERAL SPECIFICATION		TECHNICAL SPECIFICATION	
Connection Type	Mesh Network, CPE	Frequency	2.4 , 5.8 GHz, 4G-LTE (option)
Antenna System	MIMO Technology	Channel Bandwidth	5, 10, 20 MHz
Communication	Voice, Data and Video Streaming	Power Output	10 mW – 4 W (computer programmable)
Voice Communication	PTT Microphone Group Call Operation by repeating voice signal as Mesh Network	Vocoder	G.711, G722, G726, G729, Opus (option)
System Management	Web Based	Data Rate	More than 100 Mbps
Working Status	LED DISPLAY	Latency	≤ 7 ms
Power Requirement	12VDC-24VDC 48VDC (option) 220VAC/50-60Hz (option)	Sensitivity	-102 dBm @ 5MHz BW
Weight	1.8 Kilograms (Exclude battery and antenna)	Encryption	DES, AES 128/256-bit (option)
		RF Input /Output Impedance	50 ohm
STANDARD / SAFETY		PHYSICAL QUALIFICATION	
Military Standard	MIL-STD-810G Vibration MIL-STD-461F/G Radiated Emissions, Electric Field	Operating Temperature	-30 °C to +65 °C
Protection Standard	IP66	Humidity	0 - 95%
		Interface	1 x Ethernet Port (RJ-45) 4 x TNC(F) Antenna Connector 1 x PTT Port (option) 1 x USB 2.0 Port 1 x SIM slot (option)
		Material	Aluminum Die-Cast with Heat Sink