



# MBK

MOBILE BROADBAND KIT

Anywhere

Get Connected



Digital Smart Group  
Authorized VAR for EUROPE & AFRICA

# Internet and WIFI Connectivity Challenges

- End users require reliable and high-performance internet access, usually in remote areas with poor Cellular coverage.
- Mission Critical situations demand fast response and immediate connectivity for the field team.
- A standard cellular hotspot (MIFI router/Mobile Phone Hotspot) is limited on bandwidth, stability, antenna gain and quantity of users (router clients).
- The cost of providing individual internet access for a large group of 30 people could amount to over £/€50 for every 5 users per month or £/€3600 a year.
- Typical cellular hotspots devices offer limited range and limited configurable features, and usually very poor security features.
- Remote areas usually mean harsh environment conditions and rugged requirements, with limited budget a high-priority factor.

# Solution

## The **Mobile Broadband kit (MBK)** ...

- Reliable and stable Internet access up to 30 or 50 users, from ONE (1) single SIM card.
- Internet access to large groups over a very wide area.
- A configurable firewall, VPN and other advanced security features.
- Independent WIFI range of 280m (outdoors) (where a standard hotspot is limited in range to usually less than 30m.)
- Built-in power supply, and can be recharged off-grid, from vehicles batteries, from Solar Panels and more.
- 8-18 hours without recharge (subject to model and usage)
- Rugged IP67 Case ... **can operate with the lid closed.**

# Mobile Broadband Kits

## RUGGED

IP67

- Strong / extra-hardened using combined Polymers
- Slick finish and design

## PORTABLE

Battery and Smart Charger

- -Quick startup and usability
- - Fast deployment (High-Gain antennas integrated in case lid/cover)
- - Charge from Main, Vehicle, Solar Panels ...

## CRADLEPOINT

At its core ...

- 'ENTERPRISE' level router
- 4G and 5G models



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# MBK – Mobile Broadband Kits

## The Mobile Broadband Kit

- ✓ Combines a highly configurable cellular hotspot having...
- ✓ Extended range and power supply...
- ✓ Provides Internet access to large groups over a wide area where Wi-Fi may not be available





# MBK – Mobile Broadband Kits / MBK family ...



# MBK – Mobile Broadband Kits / EXTENDED WIFI Range ...



### FAST & RELIABLE

Scale mobile broadband deployments quickly, with a minimal hardware footprint



### CONNECTIVITY

Provide WiFi to large groups in areas not typically covered by WiFi and cellular broadband



# MBK – Mobile Broadband Kits / FIT for Purpose 4G models ...

## MBK-20i



10 – 20 USERS/DEVICES

Compact unit with  
single carrier modem

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12.8 Volt 8AH LiFePo4 Battery  
TSA Compliant  
Pelican 1400 Case  
13.37" x 11.62" x 6.00"  
13.7lbs/6.2kg  
External Antennas  
6 – 8hr Run Time  
Approx 90min Charge Time

## MBK-30i



20 – 30 USERS/DEVICES

True “Grab-n-Go” portability  
for rapid-rollout

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12.8 Volt 8AH LiFePo4 Battery  
TSA Compliant  
Pelican 1450 Case  
14.7" x 10.2" x 6.1"  
19lbs/8.6kg  
External Antennas  
6 – 8hr Run Time  
Approx 90min Charge Time

## MBK-50i



50 – 85 USERS/DEVICES

First Responder choice  
for emergency response

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12.8 Volt 8AH LiFePo4 Battery  
TSA Compliant  
Pelican 1485 Case  
17.8" x 10.2" x 6.2"  
External Antennas  
20lbs/9kg  
5 – 6hr Run Time  
Approx 4hr Charge Time





# EBK – Executive Mobile Broadband Kits

- Stay connected to a trusted and reliable wireless network while on the move ...



# MBK – Mobile Broadband Kits / 5G model ... **MBK1900-5G**



# The USA Government Market for MBK

- The Mobile Broadband Kit has been adopted widely across the US by Government Agencies, including Military, Law Enforcement and disaster recovery.



FEMA

# The US Military and MBK

- The Mobile Broadband Kit has been adopted by ALL branches of the US military to provide WIFI in areas not typically covered.
- Whether it be to support field deployed servers, VoIP phones systems or logistics tasks.
- By December 2016 over 550 MBK were delivered to the US Army alone.





# MBK is used by cellular carriers for internet backup

- The MBK is in extensive use by AT&T and other USA carriers for rapid-deployment Wi-Fi access.
- For UK/EU, many Telcos are looking to MBK for connectivity gap mitigation, and disaster recovery.
- All Telcos have a need for MBK
- MBK is FirstNet, UK ESN certified





# MBK in disaster recovery

- Mobile Broadband Kit (MBK) in action supporting AT&T FirstNet's team in Ellicott City, MD for Search and Rescue and Incident Command Team's networking requirements!
- Our MBK on AT&T's network provided the Incident Response Team the ability to pull up to 138 Mbps down and 20 Mbps up at times to support their mission



# MBK in healthcare

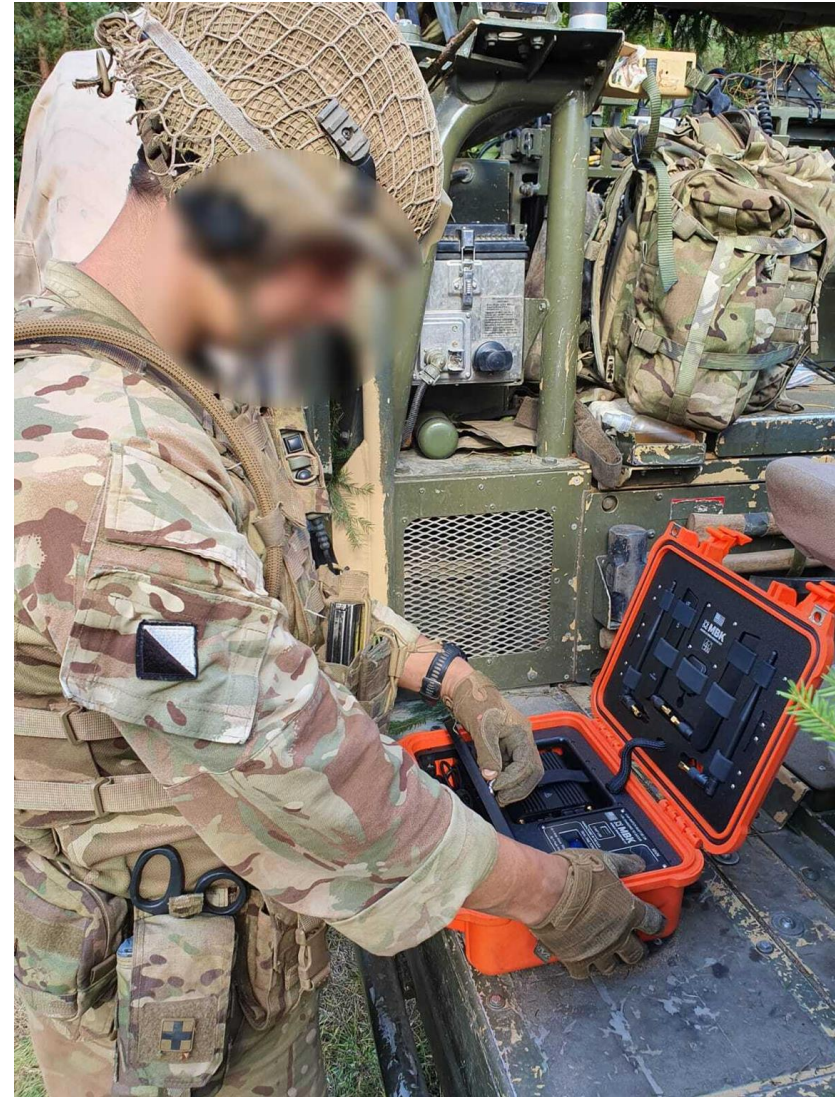
- Mobile Broadband Kit (MBK) in action supporting the UK NHS with connectivity at Covid vaccination hubs and test centres
- Mobile Broadband Kit (MBK) is now being widely adopted to connect to RealWear for use in telemedicine and training





# MBK in defence

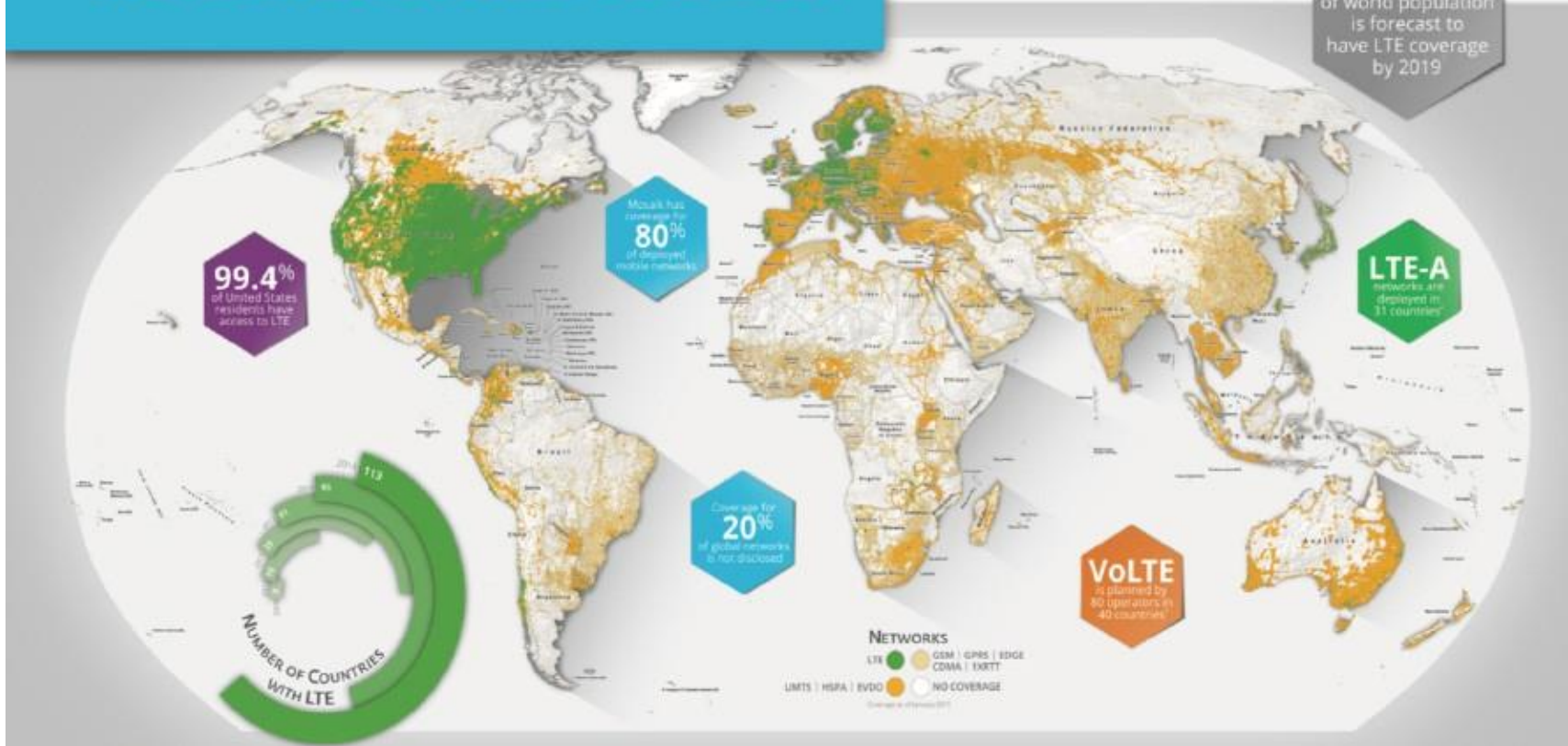
- Mobile Broadband Kit (MBK) in action with several UK/Allied operators for welfare connectivity, and data/voice links when operating at reach - sensors, backhaul for tactical networks
- Mobile Broadband Kit (MBK) when used with a fixed-IP sim, such as KeySim, provides a very secure link Beyond Line of Sight (BLOS)



# WORLDWIDE MOBILE COVERAGE

2015 EDITION

**65%**  
of world population  
is forecast to  
have LTE coverage  
by 2019



With WIFI coverage so sparse across many markets an increasing number of operators are providing LTE services. The MBK can provide large groups access to the expanding and often faster LTE networks.

By 2015, 113 cell networks had deployed LTE services.

**An MBK can quickly bring LTE internet services to remote teams and areas without traditional cable or fibre internet services.**



- There are approximately 1.8 Billion people in our target market that regularly use internet access. 391m in India, 66m in Indonesia, 57m in Philippines just to name a few.
- Approximately half the world's population has access to the internet, but with less than 10% of homes in Africa having access.
- Internet access has become a necessity for essential services globally.



Locations with  
WiFi access



# MBK Accessories

Available accessories include...

*Looking for more range from an MBK?*

- Extended Antenna Kit

*Looking for extended operation from an MBK?*

- Solar Charging Kit



# Typical MBK Customers

Defence

Law Enforcement / Emergency

Humanitarian & NGO

Telecommunication Providers

Oil & Gas Industry

Construction Industry

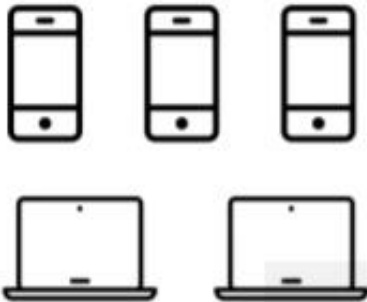
Field Engineers

Healthcare



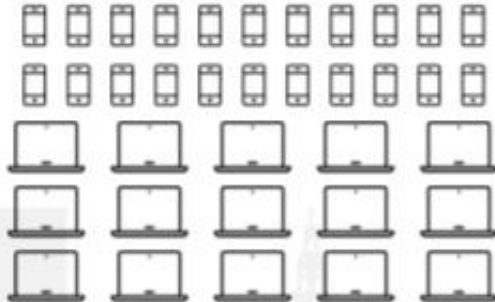
# MBK vs Hotspot Load & Range

3 to 5 users at one time



VS

20 to 80+ devices at one time\*





Digital Smart Group

# Solutions, Products and Services, IIOT, Digitalization and OT/ICS Cybersecurity

CYBERSECURITY | PREDICTIVE MAINTENANCE | INDUSTRIAL ETHERNET | PRIVATE  
AND MOBILE NETWORKS | PROTECTION RELAYS | ENERGY EFFICIENCY | PROTOCOL  
CONVERSION | REMOTE TERMINAL UNIT | ENERGY METERS | SCADA



# Contact Us

**Our expansion strategy is global, our heart is local.  
Based in Barcelona we serve customers around the world.**

**We understand international business  
and speak the language of our partners.**

**Please contact us directly using the details below**



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