

**RUGGED  
MOBILE  
SYSTEMS**



TOUGH TECHNOLOGY FOR TOUGH ENVIRONMENTS

# TOUGH TECHNOLOGY FOR PUBLIC SAFETY & EMERGENCY RESPONSE

Digital devices or Mobile Data Terminals (MDT) are commonplace in UK public safety teams today. From robust smartphones to tablets, notebooks and in-vehicle PCs, emergency response services expect these devices to tolerate extreme environments, to hold military standard approvals and still be powerful yet light enough to take out in the field and move between vehicles easily.

**RUGGED MOBILE Systems** are specialists in the provision and installation of robust computing hardware with rugged features, ideal for emergency response services, as follows:

- **AI Edge computing platforms** ideal for processing real-time data feeds for critical reporting and updates in the field.
- Seamless connectivity (**5G, 4G/LTE, WiFi 6, GPS**), with option for pass through antenna, for communication and navigation in the toughest conditions.
- **Ingress Protection**, from IP65 to IP68, for protection from dust and water.
- **Drop, Shock & Vibration Resistance** (with MIL-STD-810G & H approvals).
- Option for **ATEX approvals** (for use in explosive atmospheres).
- **Wide operating temperature** range.
- **Sunlight readable displays** (up to 1,400 NITS).
- **User replaceable batteries** and some with replaceable SSDs.
- Option for **legacy ports** such as RS232 & VGA.
- Excellent **ongoing support**.

Our tough handhelds, tablets and notebooks are designed to resist dusty environments, wet weather, high humidity and can withstand corrosion. Some also have optional salt-fog resistance.

**Now in our 17th year RUGGED MOBILE Systems are your ideal tough technology partner for an array of emergency service personnel, such as:**

- Ambulance Service
- Mountain / Search & Rescue
- Fire & Rescue
- Police Service
- Private Security

CALL US ON  
**01691 900 222**

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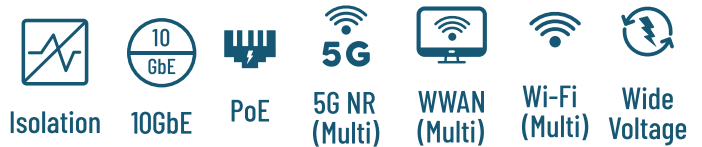
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# COMPUTING AT THE EDGE OF PUBLIC SAFETY & EMERGENCY RESPONSE

RUGGED MOBILE Systems are specialist distributors of in vehicle certified telematics and Edge AI computing solutions from *NEXCOM International*. These solutions are designed for harsh environments encountered in emergency service vehicles with wide operating temperature range and IP67 rating on selected models.

These Edge AI platforms are ideal for use with internal and external camera systems, video analytics, intelligent surveillance applications, public safety and mobile and static ANPR, advanced mobile location (AML), augmented or mixed reality applications. These Edge AI solutions offer powerful NVIDIA GPU and with MIPI SerDes Solution support these systems can be integrated with cameras easily.

They accommodate a wide range of validated ports such as USB, Isolated CAN Bus, RS-232 and DI/O, for peripherals. They also feature 4G/LTE, 5G, Wi-Fi, Ignition control, PoE+ for IP Camera or MIPI interface Camera, storage and GNSS, making the platforms versatile for a multitude of applications.



## ATEX APPROVED COMPUTERS FOR USE IN HAZARDOUS LOCATIONS

Many emergency response scenarios could encounter explosive atmospheres, from road traffic accidents to industrial, waste processing or factory fires. The ability to communicate from, gather data or access information in these hazardous areas can be critical.

RUGGED MOBILE Systems is one of the UK's most experienced providers of rugged computing with approvals for use in ATEX Zone 1/21 and Zone 2/22 explosive atmospheres. From ATEX approved smartphones to ATEX approved Android and Windows tablets plus ATEX approved barcode or RFID readers, we offer a broad range of solutions for use in potentially hazardous atmospheres. We're an approved partner for Aegex Technologies, Getac, i.Safe MOBILE and Pepperl+Fuchs.



### OUR RUGGED HARDWARE HOST A RANGE OF RUGGED FEATURES INCLUDING:

- ✔ INGRESS PROTECTION RATINGS
- ✔ DROP RESISTANCE
- ✔ SUNLIGHT READABLE DISPLAYS
- ✔ MIL-STD-810G CERTIFICATIONS





# RUGGED NOTEBOOKS & CONVERTIBLES BUILT TO WORK WHEREVER YOU DO

## Getac



**Getac X600 Pro**  
15.6" Windows 11 Pro, Fully Rugged  
Notebook, 1000NITS, optional  
NVIDIA® GeForce® or Quadro® graphics  
controller, IP66



**Getac B360 Pro**  
13.3" Windows 11 Pro, Fully  
Rugged Notebook, 1400 NITS,  
optional NVIDIA® GeForce®  
GTX1650 4GB discrete graphics  
controller, IP66



**Getac V110**  
11.6" Windows 11 Pro, Rugged  
Convertible Notebook, 1000NITS  
display, optional digitiser,  
5G, HF RFID, IP65



**Getac S510**  
15.6" Windows with Intel®  
AI Boost Rugged Laptop

## Panasonic CONNECT



**Panasonic Toughbook 40**  
14" Windows 11 Pro, Fully Rugged  
Notebook, IP66, up to 36Hrs  
with 2nd battery



**Panasonic Toughbook 55**  
14" Windows 11 pro, Semi-Rugged  
Notebook, IP53, up to 38Hrs with  
2nd battery



**Panasonic Toughbook 33 2-IN-1**  
12" Windows 11 Pro, Detachable  
Fully Rugged Notebook IP65,  
Secured-core PC compliant

## DURABOOK



**Durabook Z14**  
14" Windows 11 Pro, Rugged  
Laptop, 1000NITS, optional  
NVIDIA® GEFORCE GTX 1050  
graphics controller, IP65



**Durabook S14**  
Rugged Laptop, optional  
1000NITS, optional NVIDIA®  
GEFORCE GTX 1050  
graphics controller, IP53

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# RUGGED ANDROID TABLETS & HANDHELD COMPUTERS TO WORK WHEREVER YOU DO

**Getac**



**Getac ZX80**

8" Android 13, Fully Rugged Tablet  
AI powerhouse, IP67, 3 Year Bumper-to-Bumper Warranty



**Getac ZX10**

10" Android 12/13 AER, Fully Rugged Tablet  
Powerful yet versatile, IP66, 3 Year Bumper-to-Bumper Warranty  
(ATEX Version Available)

**SAMSUNG**

**Samsung Tab Active5**

8" Android 14, 5G  
Lightweight rugged IP68 tablet  
Up to 1TB expansion via MicroSD  
'No Battery Mode' option



**CROSSCALL**



**Crosscall Core M5, X5 & Z5**

4.95" to 6.08" Android AER Rugged Smartphones 4G or 5G, Wet & Glove touch IP68, 2m drop resistance  
5 Year Warranty

**ZEBRA**



**Zebra TC73/78**

6" Ultra Rugged Handheld Computers, Android 12-16, WiFi 6E & optional 5G, IP65 & IP68, 3.05m drop resistance



**Zebra ET40/45**

8 or 10.1" Android 12-14 Enterprise Tablets, Qualcomm Snapdragon™ SM6375 Octa-Core, WiFi 6 & optional 5G, IP65



**Zebra ET60/65**

10.1" Android 12-16 Enterprise Tablet, Qualcomm® 6490 octa-core, WiFi 6E & optional 5G, IP66, Extended battery provides 20Hrs battery life

**unitech**



**Unitech PA768**

6.3" Android 12, Rugged Touch Computer, IP67



**Unitech RT112**

10.1" Android 10, Rugged 5G tablet, IP67

**JUNIPER SYSTEMS**



**Juniper Systems Archer 4**

6.26" Android 14, Rugged Tablet, IP68



**Juniper Systems Cedar Mesa 3**

7" Android 11, Fully Rugged Tablet, IP68

**handheld**



**Handheld X81**

4.8" Android 12 GMS, handheld with keypad, IP67



**Handheld Nautiz X6**

6" Android 11 GMS, phablet, IP67, option for RTK GPS



**Handheld Algiz RT10**

10" Android 11 GMS Tablet, optional RTK GPS, IP67



**Handheld Algiz RT8**

8" Android 11 GMS, ultra-rugged Tablet, IP67

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# NEXCOM IN-VEHICLE COMPUTERS

## BUILT FOR DUSTY, DIRTY ENVIRONMENTS

**RUGGED MOBILE Systems** are a long-standing value-added partner and UK distributor for **NEXCOM Inc** – a world leader in the design and manufacture of mobile computing platforms that include an extensive range of solutions specifically developed and certified for use in vehicle – built to withstand dust, shock and vibration.

### NEXCOM 7" – 8" VEHICLE MOUNT COMPUTERS



**VMC 1100**

7" All-In One Vehicle Computer with Intel® Atom™ E3845, Windows 7 to 10



**VMC 110**

7" Mobile Data Terminal with ARM® Cortex®-A9 platform, Linux



**VMC 2020**

8" Rugged Vehicle Mount Computer with Intel Atom® E3950, IP65



**VMC220**

8" Rugged Vehicle Mount Computer with NXP i.MX 8M Quad, Linux, IP65

### NEXCOM 10.4" - 12.1" - ALL-IN-ONE VEHICLE MOUNT COMPUTERS & VEHICLE MOUNT DISPLAY



**VMC 320 / VMC 3030**

10.4" Rugged Vehicle Mount Computer Built-in NXP i.MX 8M Plus low-power cpu with Linux (VMC 320) or Intel Atom® x7-433RE with Windows 10/11 or Linux (VMC 3030), IP65 front panel



**VMC 4020**

12.1" Rugged, fanless Vehicle Mount Computer with Intel Atom® x7-E3950, Windows / Linux, Supports 3x analog cameras & option for PoE 802.3af/at for IP camera. Optional complete IP65



**VMD 3002 / VMD 3110**

IP65, 10.4" Vehicle Mounted Display, with VGA (VMD 3002) or UltraONE+ (VMD 3110) & CVBS Interfaces ideal for rear view cameras

### NEXCOM VEHICLE TELEMATICS COMPUTERS



**VTC 6231**

Fanless, Intel Atom x7433RE In-Vehicle Computer with E Mark Conformity, 8x SIM cards, 4x WWAN modules Windows /Linux



**VTC 1920**

Fanless, Intel Atom x7211RE Telematics IoT Gateway, Slim & Rugged, Onboard CAN FD & 2.0B Windows /Linux



**VTC 7270-C4/C8**

Fanless AI Powered Vehicle Computer, 4/8 x 2.5GbE PoE+, 12/13th Gen Intel® Core™ CPU, Windows / Linux



**VTC 7252-7C4IP**

IP65, Fanless, 4-Channel PoE Vehicle Computer Intel® Core 9th Gen Windows /Linux



Isolation



10GbE



PoE



5G NR (Multi)



WWAN (Multi)



Wi-Fi (Multi)



Wide Voltage

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## EDGE AI TELEMATICS SOLUTIONS

### NEXCOM - NVIDIA® EDGE AI COMPUTING - with Built-in, high performance/watt NVIDIA® Jetson Orin or Xavier CPU



**ATC 3520**

NVIDIA® Jetson Orin™ Nano SOM Solution Accelerated Edge AI Computing, up to 40 INT8 TOPS compute, NEXCOM Acceleration Linux, IP67



**ATC 3530**

NVIDIA® Jetson Xavier™ NX Solution Accelerated Edge AI Computing, up to 21 TOPS compute, NEXCOM Aided Linux, IP67



**ATC 3540-IP7-4C**

NVIDIA® Jetson Orin™ NX Solution Accelerated Edge AI Computing, up to 100 INT8 TOPS compute, NEXCOM Acceleration Linux IP67



**ATC 3750-6C**

NVIDIA® Jetson Orin™ AGX Solution Accelerated Edge AI Computing, up to 200/275 INT8 TOPS compute, optional extractor fan kit. NEXCOM Aided Linux

### NEXCOM - GOOGLE EDGE AI TELEMATICS SOLUTIONS - Built-in Google Edge TPU ML accelerator coprocessor



**VTC 6222-GC IoT**

Google Cloud AI Edge In-Vehicle Solution with Intel Atom® E3950, Debian Linux, CANBus 2.0B



**VTC 7251-GC IoT**

Google Cloud AI Edge Vehicle Solution with Intel® Core™ 8th Gen. CPU, Linux, CANBus 2.0B, optional Dead Reckoning



**VTC 7260-5G IoT/7G IoT**

Fanless AI-aided Vehicle Computer with Intel® Core™ 11th Gen CPU, Win 10/11 IoT or Linux, CANBus 2.0A/B, 5G & Wi-Fi 5/6 capable

### NEXCOM - NVIDIA & HAILO EDGE AI TELEMATICS SOLUTIONS - Featuring the Hailo 8™ or NVIDIA MXM AI acceleration modules, enabling best-in-class AI performance at the edge



**VTC 1021-HB IoT/HCIoT**

Intel Atom® x5- E3940 Fanless In-Vehicle Computer Hailo AI Edge Telematics Solution, Win 10 or Linux, optional Dead Reckoning



**VTC 7260-5H IoT/7H IoT**

Fanless AI-aided Vehicle Computer with Intel® Core™ 11th Gen CPU, Win 10/11 IoT or Linux, CANBus 2.0A/B, 5G & Wi-Fi 5/6 capable, 4-Port PoE+



**ATC 8010**

Fanless AI-aided Vehicle Computer with Intel® Core 9th Gen CPU & NVIDIA MXM T1000, A2000 or A4500 AI Accelerator Modules, Win 10/11, 8-Port PoE

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# RUGGED WINDOWS TABLET COMPUTERS FOR DATA CAPTURE IN THE FIELD

**Getac**



**Getac T800 (8")**  
(ATEX Version Available)



**Getac UX10 (10.1")**  
(ATEX Version Available)



**Getac F110 (11.6")**  
(ATEX Version Available)



**Getac K120 (12.5")**  
(ATEX Version Available)



**Getac A140 (14")**  
(ATEX Version Available)

**Panasonic CONNECT**



**Panasonic Toughbook G2 (10.1")**



**Panasonic Toughbook 33 (12")**

**JUNIPER SYSTEMS**



**Juniper Systems Mesa 4 (7")**



**Juniper Systems Mesa Pro (10")**

**handheld**



**Handheld ALGIZ 8X (8")**



**Handheld ALGIZ 10XR (10.1")**

**ZEBRA**



**Zebra L10ax (10.1")**



**Zebra ET80/85 (12")**

**DURABOOK**



**Durabook R8 (8")**  
(ATEX Version Available)



**Durabook U11i (11.6")**  
(ATEX Version Available)

## ACCESS DEMONSTRATION HARDWARE

RUGGED MOBILE Systems hold a range of demonstration hardware to allow users to trial devices before purchase. We like to ensure our customers are employing the right rugged hardware for their use case. Contact us at [Sales@rm-systems.co.uk](mailto:Sales@rm-systems.co.uk) to book in your free trial.

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# RUGGED SUB-METRE GNSS RECEIVER FOR EMERGENCY RESPONSE POSITIONING



The Juniper Systems Geode GNS3, offers a robust Bluetooth GPS module, compatible with Windows, iOS or Android devices, for emergency response activities requiring sub-metre GPS data. Providing <60cm GPS accuracy out-the-box (in practice ~20cm) with option for ~10cm GPS accuracy with subscription to Atlas L-band corrections. Also supports local differential GNSS RTK/CORS network corrections through the Geode Connect NTRIP Client.



## Juniper Systems Geode GNS3 Receiver

- Affordable, simple, robust and reliable GNSS receiver
- SBAS achieves <60cm GPS accuracy (out-the-box)
- Atlas Subscriptions allow following accuracies: Basic (50cm), Atlas H30 (30cm) & Atlas H10 (8-10cm)
- Collect real-time GNSS data
- All-day battery life
- With integrated antenna and Class 1 Bluetooth there is no need for cables
- Compatible with Windows, Android & iOS devices
- Compact & lightweight
- Single or Multi-Frequency (L1, L2, L5) options
- 1Hz, 10Hz or 20Hz update rate options
- Free GeodeConnect software for configuration & communications set-up and receiver settings.

## The Geode GNS3 is ideal for emergency response tasks such as:

- Accurately mapping / logging search and rescue incident locations allowing teams to map hot spots for incidents and then provide safety guidance for these areas
- To map location of safety assets or safety equipment
- To map dangerous locations or known hazards
- To accurately map location of evidence, down to ~10cm with Atlas, in large outdoor crime scenes
- To map disaster response routes, and logistics routes accurately

✓ INGRESS PROTECTION RATINGS

✓ DROP RESISTANCE

✓ SUNLIGHT READABLE DISPLAYS

✓ MIL-STD-810G CERTIFICATIONS