

## Achieve operational efficiency and profitability for your fleet

*Manage and optimize your fleet resources with Waveon 738 v2*



### Product Highlights

- Rugged and Durable
- Anti-Glare Touch Screen Display
- Driver-Friendly Interface
- High-Performance Video and Audio Playback
- High Capacity Storage
- Bluetooth and Wi-Fi Connectivity (optional)
- Easy Integration with Devices such as Door Locks, Immobilizers Etc.

## Waveon 738 v2

Waveon 738 v2 is a large-screen, rugged and durable mobile data terminal specially built for the in-vehicle environment to meet the needs of operators managing fleets of taxis, service trucks, courier vehicles, and emergency vehicles.

Waveon 738 v2's 7-inch TFT, anti-glare touch screen display is suitable for all weather conditions.

With its built-in GPS, Waveon 738 v2 offers excellent vehicle tracking and location mapping capabilities; allowing fleet operators to adjust routes easily,

schedule additional pick-ups, and be alerted to emergency situations.

Waveon 738 v2 provides a reliable 2-way data and voice communications between the central dispatch office and its drivers via the GSM/GPRS network.

Waveon 738 v2 is currently available in two models: 738G and 738P.

Waveon 738G comes with a mounting cradle that gives fleet owners and drivers the flexibility to detach and double up as a portable unit, while Waveon 738P is "hard-fitted" into the vehicles.

### Industrial Applications

- Taxi Management System
- Dispatch Management System
- Navigation System



### Reliability is Everything.

Headquartered in Singapore, InfoWave is a leader in defining, producing and distributing quality telematics devices that benefit our customers. Quality means providing our customers with reliable and durable products that fully satisfy their needs.

### When Customers Speak, InfoWave Listens.

At InfoWave, our business is driven by our understanding of our customers' needs and what they require in order to succeed. The market for the delivery of telematics products is growing rapidly, with new products being delivered at an ever-increasing pace. With such growth comes the need to differentiate among the offerings. That is why InfoWave has organized a team of engineers to define, produce and deliver the next-generation of telematics products that meet those needs.

### Main Office

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## Technical Specifications At A Glance

### Physical Specifications

- Dimension: 145mm (W) x 60mm (D) x 208mm (H)
- Weight: 880g (W/o Battery), 980g (With 1 Battery)
- Casing: Industrial Plastic
- Flammability: UL94V-0

### Display Specifications

- 7" Color TFT, Anti-Glare
- Wide-VGA 800 x 480 Resolution, 18-Bit Color
- 4 Wire Resistive Touch-Screen

### Audio Specifications

- Built-in Speaker
- Built-in Microphone (Passive)
- Built-in Nokia® Compatible HDC-5 Mobile Phone Jack

### Performance Specifications

- Processor: Intel® XScale® PXA255 400MHz
- OS: Microsoft® Windows® CE .NET 5.0

### Memory/ Storage Specifications

- 64MB SDRAM
- 32MB Flash ROM

### Power Specifications

- Power Input from Cradle: 9Vdc ~ 28Vdc, 12Vdc (Nominal)
- Power Consumption: 12Vdc, 600mA (Typical)
- 1 x DC Input Port
- 1 x Built-in Lithium-Ion Rechargeable Battery (Optional: 2nd Battery)
- Sleep Mode

### Communication & Interface Ports

- 2 x USB 2.0 Host
- 1 x USB 1.1 Client

### Communication & Interface Ports (Cont'd)

- 2 x Compact Flash™ Type II Slot (1 Internal)
- 1 x SIM Card Slot
- 1 x GSM/ GPRS Antenna Port (SMA)
- 1 x Micro-SD (Internal)

### Cradle

- 1 x 80 Pin Docking Connection to MDT, Expansion to
  - \* 26 Pins D-Sub Connector:
    - 5 x 3 Wire RS232 Ports
    - 4 x Digital Input Ports
    - 4 x Digital Output Ports
- 1 x 9 Wire RS232 Ports
- 1 x Input Power Port to Power Source (E.g. Car Battery)
- 1 x GPS Antenna Port (SMB)

### GPS Module Performance

- Receiver Module: 16 Channels
- Accuracy: 3m Accuracy (CEP)
- Start Time: Hot: 3.5sec/ Warm: 33sec/ Cold: 41sec
- Supports NMEA-0183 Protocol

### GPRS Module

- Tri-Band 900~1800~1900MHz
- GPRS Mobile Station Class B
- GPRS Multi-Slot Class 10

### Connectivity

- Optional Bluetooth (USB Dongle)
- Optional Wi-Fi (CF Module/ Customized OS)

### Software Tools

- Microsoft® Pocket Internet Explorer
- Application Support Package
- GSM Phone Application

## Environmental Specifications

### Operating Temperature

- -20°C ~ 60°C (-4°F ~ 140°F)

### Storage Temperature

- -30°C ~ 70°C (-22°F ~ 158°F)

### Shock

- 20g Operating Condition

### Temperature Shock

- MIL-STD-810F, Method 503.4, Procedures II, Figure 503.4-2

### Vibration

- MIL-STD-810F, Method 514.5, Table 514.5C-VII, Figure 51.45C-1

## Regulatory

- CE: EN 301 489-1/7
- eMARK: 95/54/EC

- FCC: Part 15B



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## Technical Specifications At A Glance

### Physical Specifications

- Dimension: 145mm (W) x 37mm (D) x 208mm (H)
- Weight: 780g
- Casing: Industrial Plastic
- Flammability: UL94V-0

### Display Specifications

- 7" Color TFT, Anti-Glare
- Wide-VGA 800 x 480 Resolution, 18-Bit Color
- 4 Wire Resistive Touch-Screen

### Audio Specifications

- Built-in Speaker
- Built-in Microphone (Passive)
- Built-in Nokia® Compatible HDC-5 Mobile Phone Jack

### Performance Specifications

- Processor: Intel® XScale® PXA255 400MHz
- OS: Microsoft® Windows® CE .NET 5.0

### Memory/ Storage Specifications

- 64MB SDRAM
- 32MB Flash ROM

### Power Specifications

- Power Input from JBox: 9Vdc ~ 28Vdc, 12Vdc (Nominal)
- Power Consumption: 12Vdc, 600mA (Typical)
- 1 x DC Input Port
- Sleep Mode

### Communication & Interface Ports

- 2 x USB 2.0 Host
- 1 x USB 1.1 Client
- 2 x Compact Flash™ Type II Slot (1 Internal)
- 1 x SIM Card Slot

### Communication & Interface Ports (Cont'd)

- 1 x GSM/GPRS Antenna Port (SMA)
- 1 x Micro-SD (Internal)

### External JBox

- Dimension: 120mm (W) x 50mm (H) x 160mm (L)
- Built-in Lithium-Ion Rechargeable Battery (Supports Vehicle Cranking)
- 1 x 50 Pin D-Sub Port Connection to MDT, Expansion to:
  - 5 x 3 Wire RS232 Ports
  - 1 x 9 Wire RS232 Ports
  - 4 x Digital Input Ports
  - 4 x Digital Output Ports
- 1 x Input Power Port to Power Source (E.g. Car Battery)
- 1 x Output Power Port to MDT
- 1 x GPS Antenna Port (SMB)

### GPS Module Performance

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