

# THOR VM3A

## Vehicle-Mounted Computer

Designed for use in the toughest distribution centers, manufacturing facilities and freight operations, the Thor™ VM3A computer is the industry's most capable full-sized vehicle-mounted mobile computer, delivering unmatched operational efficiencies.

The Thor VM3A vehicle-mounted computer offers breakthrough features designed to eliminate downtime and maximize capital investment. The rugged, Android™-based Thor VM3A device also offers all the advantages of Honeywell's Mobility Edge™ platform – including the ability to accelerate provisioning, application certification and deployment across the enterprise. The Thor VM3A is upgradable to Android R, and features extended security update support to maximize return on customer investment and provide a lower overall total cost of ownership (TCO). The device's advanced enterprise configuration and software support tools also simplify frequently repeated tasks such as unit setup and distribution of security and software updates.

Compact, ergonomic and powerful, the Thor VM3A vehicle-mounted computer has numerous breakthrough features designed to maximize productivity, minimize visual obstructions and reduce or eliminate downtime. The powerful Qualcomm® 660 processor, integrated keyboard and 2x2 MIMO WLAN communications keep workers connected and productive. Built to withstand extreme temperatures, the device's large 12-inch display, readable both indoors and outdoors, supports both resistive and capacitive touchscreen options, and is available with an optional screen defroster for use in cold storage and freezer environments.

The Smart Dock feature delivers immediate savings on support and maintenance costs while maximizing efficiency, enabling users to quickly shift computers as vehicles fail or workloads change. The field-replaceable front panel allows enterprises to minimize investments in spare parts by substituting low-cost spare front panels for spare computers and saves valuable time and maintenance costs by leveraging in-house staff to service touchscreen or keyboard failures.



*The Thor VM3A full-sized, vehicle-mounted computer delivers unmatched operational efficiencies in the toughest distribution center environments.*

## FEATURES AND BENEFITS



The Smart Dock feature enables mounting and removal in seconds without affecting the cabling, saving on support and maintenance costs while minimizing capital expenses.



The field-replaceable front panel reduces maintenance costs by enabling on-site unskilled personnel to service the most wear- and abuse-prone components rather than returning them to the repair depot.



Security update availability is just as important as computer durability for maximizing a computer's useful life. Mobility Edge products provide five more years of security updates than a typical Android device.



No need to choose between optimizing productivity and minimizing IT support costs: All Honeywell Mobility Edge computers share a common hardware and software platform. From an IT perspective, they are all the same product.



The Mobility Edge hardware platform and enterprise lifecycle tools drive an integrated, repeatable, scalable approach for accelerated and secure development, deployment, performance and lifecycle management.

# THOR VM3A Technical Specifications

## SYSTEM ARCHITECTURE

**Processor:** 2.2 GHz Qualcomm Snapdragon™ 660 octa-core

**Operating System:** Each Android version guaranteed from Android 9 Pie to at least 11/R, committed support for Android 12 and 13 pending feasibility

**Memory:** 4 GB RAM, 32 GB Flash

**Storage Expansion:** User-accessible microSD card up to 512 GB (SDXC/SDHC-compliant)

**Audio:** Audio for headset, integrated stereo speakers with adjustable volume control, integrated microphone

### Input/Output:

**Enhanced Dock:** 2x powered RS-232 COM ports, 1x USB 2.0 powered host port Type A, 3 additional USB 2.0 powered host ports, 1x USB 2.0 Client port, 1x Ethernet RJ45 port, 1x headset port, DC power input and ignition control input

**Standard Dock:** 2x powered RS-232 COM ports, 1x USB 2.0 powered host port, 1x USB 2.0 Client port, 1x headset port, DC power input and ignition control input

**Sensors:** Ambient light sensor, accelerometer, gyroscope, magnetometer

## MECHANICAL

### Dimensions:

**Computer:** 318 mm x 260 mm x 62 mm (12.5 in x 10.3 in x 2.4 in)

**Dock:** 180 mm x 155 mm x 54 mm (7.1 in x 6.1 in x 2.1 in)

**Assembled Depth:** 104 mm (4.1 in)

### Weight:

**Computer:** 3.0 kg (6.65 lbs)

**Standard Dock:** 1.5 kg (3.2 lbs)

**Enhanced Dock:** 1.1 kg (2.4 lbs)  
Dock weights include mounting ball

**Operating Temperature:** -30°C to +50°C (-22°F to +122°F)

**Storage Temperature:** -30°C to +50°C (-22°F to +122°F)

**Humidity:** 5% to 95% non-condensing  
**Environmental Sealing:** Independently certified to meet IP66 standards for moisture and particle resistance

**ESD:** EN 55024:2010 (enhanced ESD to 8 kV direct and 15 kV air)

**Vibration:** Proprietary Random Profile exceeding MIL-STD-810F, composite wheeled vehicles

**Shock:** SAE-J1455 (MIL-STD-810g-4.6.6 Procedure V-Crash Hazard Shock Test)

## STRUCTURE

**Power Supply & UPS:** 10 to 60V DC isolated, optional external converters for AC (90–240V AC) and extended range DC (60–150V DC); integrated Li-Ion maintenance UPS with 30-min life at 0°C (32°F)

### Display:

**Indoor:** 307 mm (12.1 in) XGA (1024 x 768) LED backlit display, 400 NIT, optional screen blanking

**Outdoor:** 307 mm (12.1 in) XGA (1024 x 768) LED backlit display, 900 NIT, optional screen blanking

**Touch Panel:** Standard: Industrial touch panel with resistive touch and support for finger touch and standard stylus

**Multitouch:** Optional industrial touch panel with Projected Capacitance touch for finger and conductive stylus; hardened glass overlay

**Cold Storage:** Optional industrial resistive touchscreen with integrated defroster

**Integrated Keypad:** Seven programmable multi-function keys

**Audio:** Audio for headset, integrated stereo speakers with adjustable volume control, integrated microphone

## WIRELESS CONNECTIVITY

**WLAN:** IEEE 802.11 a/b/g/n/ac; Wi-Fi Alliance Certified, 2x2 MU-MIMO

**Additional WLAN Features:** 802.11 d/h/i/r/k/w

**WLAN Security:** OPEN, WEP, WPA/WPA2 (Personal and Enterprise)

**Supported EAP:** TLS, PEAP, TTLS, PWD, FAST, LEAP CCX Version 4 compliant

**WLAN Antennas:** Dual internal antennas, dual external remote and direct connect antenna accessories; 2x SMA connectors for external WLAN antennas

**Bluetooth®:** Class 1.5 V5.0 Bluetooth and BLE

**Bluetooth Profiles:** HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

**NFC:** Integrated Near Field Communication

## SOFTWARE

Honeywell Power Tools and Demos  
Terminal Emulator  
Enterprise Browser  
Application Launcher and Lockdown  
Provisioning Tools  
Honeywell Mobility SDKs for Android, Web and Xamarin  
Support for Third-Party MDM Solutions

## WARRANTY

One-year factory warranty

## SERVICE PLANS

Optional service programs offer worry-free mobile computing

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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## For more information

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