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|---------------------------|------------|--|---|--|---|
| | | Thor VM1 | Thor CV31 | Thor CV32 | Thor VM3 |
| | |  |  |  |  |
| Operating System | | Windows CE 6.0, Windows Standard 2009 (WES 2009) | Windows Embedded Compact 7 | Windows Embedded Compact 7 | Windows Embedded Compact 7 (WEC 7), Windows Embedded Standard 7 (WES 7), Windows 7 (Win 7), Windows 10 IoT Enterprise (Win 10 Industry) |
| Processor | | Intel® Atom Z530 1.6GHz | Texas Instruments 1.5 GHz OMAP 4470 dual-core | Texas Instruments 1.5 GHz OMAP 4470 dual-core | Intel® Atom E3826 @ 1.5 GHz |
| Memory | RAM | 1GB | 1GB | 1GB | 4GB DDR3 |
| | ROM | | 16GB Flash | 16GB Flash | Supports 4GB mSATA |
| SD Slot | | 1GB and 4 GB | MicroSD for cards up to 32GB | MicroSD for cards up to 32GB | 1x USB 2.0 |
| Drop Spec | | N/A | | MIL-STD-810G, Method 516.5 | MIL-STD-810g-4.6.6 V-Crash Hazard Shock Test |
| Ingress Protection | | IP66 | IP66 | IP66 | IP66 |
| WLAN | | 802.11a/b/g/n | 802.11a/b/g/n | 802.11a/b/g/n; Wi-Fi; Cisco CCXv4 certified | 802.1X (EAP) types |
| PAN | | 2.0+EDR standard | BT2.1+EDR | BT 1.5 v2.1 + EDR | 802.11 a/b/g/n |
| WWAN | | GSM/GPRS/EDGE | | | LTE/UMTS/HSPA+/ GSM/GPRS/EDGE/ EV-DO Rev A/1xRTT |
| GPS | | Yes | No | No | Integrated |
| Imager | | None | None | None | None |
| Camera | | No | No | No | No |
| Keypads | | QWERTY and function | Resistive touch | Touchscreen | Touchscreen |
| Batteries | | Li-ION | 12V DC input | 12V DC input standard; Integrated Li-ion maintenance UPS | 10 to 60 VDC isolated, Optional external converters. Li-Ion integrated |
| Dimensions (mm) | | 268 x 214 x 43 | 176.5 x 189.2 x 56 | 176.5 x 189.2 x 56 | 318 x 260 x 62 |
| Weight | | 2.1kg | 12V: 1.51 kg, 9-36V: 1.65 kg | 1.51 kg | 3.0 kg |
| Display | | 8" WVGA | 6.5" VGA | 16.5 cm VGA | 12.1" XGA |
| RFID | | | No | No | No |
| Connectors | | 2x USB, 1x client, 2x RS-232 COM, 1x CAN-bus RF Antenna for WiFi (2), WWAN (1) & GPS (1) | 2x Serial (DB9); 2x USB 2.0; 1x USB; 1x Ethernet 10/100 (RJ45) | 2x DB9; 2x USB; 1x USB; 1x Ethernet 10/100 (RJ45) | 1x USB 2.0; 2x RS-232 COM; 1x CAN-bus; 1x Headset; DC input & ignition control; RF Antenna for WiFi (2), Opt RF Ports for WWAN (2) & GPS (1); |
| Notes | | | | | |

| | | Intermec | | Zebra | | | Panasonic | |
|---------------------------|------------|---|---|---|---|---|---|---|
| | | CV41 | CV61 | VC80 | VC6000 | VC7000 | 8525 G2 | CF-U1 |
| | |  |  |  |  |  |  |  |
| Operating System | | Windows CE 6.0 | Windows 7 Pro or Windows XP Pro | Windows Standard 7, 7 Pro, 10 ready | Windows Mobile 6.1 | Windows Compact 7 (WEC 7) | Windows CE 5.0 | Windows Vista. Windows XP Pro (SP2) |
| Processor | | Intel Atom @ 1.6GHz | Intel® Atom D425 1.8GHz | Intel E3825 Dual or E3845 Quad | PXA270 @ 624MHz | TI OM AP 4430, Dual Core @1GHz | PXA270 @ 520MHz | Intel Atom @ 1.33GHz |
| Memory | RAM | 1GB SD RAM* | 3GB DDR2 | 2GB or 4GB | 128MB | 512MB SDR AM and 2GB Flash | 128MB | 1GB |
| | ROM | * 1 GB Flash User installable expansion slot supports additional 1 GB or 4 GB SD card | | 32 or 64GB | 256MB | | 64MB | 16GB Solid State with optional 32GB SS Drive |
| SD Slot | | | SD Standard | mSATA SSD: 32 or 64 GB | SD Standard | Micro SD up to 32GB SDH C Class 10 | SD Standard CF & PCMCIA | SD Standard |
| Drop Spec | | N/A | MIL STD 810F | MIL STD 810G | N/A | | N/A | 6ft |
| Ingress Protection | | IP66 | IP66 | IP66 | IP64 | IP66 | IP66 | IP65 |
| WLAN | | 802.11 a/b/g | 802.11a/b/g/n | 802.11a/b/g/n/ac 2x2 MIMO | 802.11 a/b/g | IEEE 802.11a/b/g/n | 802.11b/g | 802.11 a/b/g/n |
| PAN | | BT v2.0 + EDR | 2.0+EDR Class 1.5 | V2.1 + EDR (Windows 7/10). V4.0 Smart Ready (Windows 10) | BT v2.0 + EDR | BT 2.1 + EDR | BT v2.0 | BT v2.0 + EDR |
| WWAN | | No | No | No | HSDPA - 3.5G | | None | HSDPA - 3.5G |
| GPS | | Optional | No | Optional | Yes | | None | Yes |
| Imager | | None | Tethered serial, USB bar code, RFID reader, Bluetooth | Scanners connected via USB, RS-232 or Bluetooth | Tethered or Bluetooth NOT integrated | None | Tethered or Bluetooth NOT integrated | 1D & 2D Barcode Imager |
| Camera | | | | None | None | None | None | 2MP |
| Keypads | | QWERTY | Touchscreen | Resistive touch | QWERTY | 3 keyboards, all backlit with IP66 | Numeric / QWERTY / AZERTY | 61 Keyboard with user programmable keys |
| Batteries | | | Integrated 9-60 VDC isolated power supply | Internal 12-48V. Rechargeable UPS | N/A | Integrated | N/A | 2900 mAh |
| Dimensions (mm) | | 21.4x26.8x4.3/6.6 | 274x343x84 | 104 x 93 x 90 | 235 x 242 x 49 | 291x225.4x60 | 269 x 299 x 100 | 149 x 182 x 55 |
| Weight | | 2.1kg | 5.2kg | 3.9kg | 2.2 Kg | 4.3Kg | 4.3 Kg | 1.1 Kg |
| Display | | 8" LED backlit | 12.1" XGA Touchscreen | 10.4" color XGA | 6.5" VGA Touchscreen | 10.4 in. color XGA (1024 x 768) LCD | 8.8" VGA Touch Screen | 5.6" WSVGA Touchscreen |
| RFID | | Yes | | No | No | No | No | No |
| Connectors | | 1 x USB | 2x USB, 2 x RS-232 COM, RJ45 Ethernet | 2x RS-232 serial; 1x USB; 1x powered USB; 1x 3.5 mm audio. Optional Ethernet (10/100/1000 Mbps) or isolated CAN port with SAE J1939 support | Serial - RS232, LAN (RJ45), 2 x USB Host, 1 x USB Client | 2 x RS-232 serial, 2 x USB, 1 x USB OT G, CAN-Bus (J1939). 10/100Mbps Ethernet | Serial - RS232 2 x USB Host 1 x USB Client | 1 x USB 2.0, LAN (RJ45) - Optional, Serial - Optional |
| Notes | | | | | Two Configs: Inside: BT & LAN. Outside: WAN, WLAN, BT & GPS. Supports Vehicle Telemetry | | Freezer Spec (-300C) Optional Internal & External WLAN antennas | Optional: MSR Reader SMART Card Reader Finger Print Reader |

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