DT Research

# Rugged Medical Tablets

## Slim, Antimicrobial, ANSI/AAMI ES60601-1 Certified for Mobile Computing Applications

ENERGY ELECTRONICS

| Model | 362MD | 301Y/MD | 313Y/MD | 313T/MD |
|---|---|---|---|---|
| **System** | | | | |
| **CPU** | Intel® Pentium® Silver 4-Core, 1.1 GHz, up to 2.7 GHz | Intel® Core™ i5-1135G7, 4-Core, up to 4.2 GHz<br>Intel® Core™ i7-1165G7, 4-Core, up to 4.7 GHz | Intel® Core™ i5-10210U, 4-Core, up to 4.1 GHz<br>Intel® Core™ i7-10710U, 6-Core, up to 4.7 GHz | Intel® Core™ i5-1135G7, 4-Core, up to 4.2 GHz<br>Intel® Core™ i7-1165G7, , 4-Core, up to 4.7 GHz |
| **RAM** | 8GB | 8GB to 16GB | 8GB to 16GB | 8GB to 32GB |
| **Storage** | 256GB Flash | 256GB to 512GB Flash | 256GB to 512GB Flash | 256GB to 2TB Flash |
| **Operating System** | Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu | | | |
| **Display** | 6" LED-backlit (350 nits) touchscreen | 10.1" LED-backlit, High-Brightness (800 nits) Touchscreen | 13.3" LED-backlit, High-Brightness (1000 nits) Touchscreen | 13.3" LED-backlit Touchscreen |
| **Display Resolution** | 720 x 1440 | 1920 x 1200 | 1920 x 1080 | 1920 x 1080 |
| **NIST Compliance** | NIST Compliant BIOS Available | NIST Compliant BIOS Available | NIST Compliant BIOS Available | NIST Compliant BIOS Available |
| **Camera** | 8 MP Back Camera | Full-HD Front Camera & 8 MP Back Camera | | |
| **Control Switch and Buttons** | 1 Power Button, 2 Trigger Buttons | 1 Power Button, 2 Brightness Control Buttons, 5 Programmable Buttons | 1 Power Button, 2 Brightness Control Buttons, 5 Programmable Buttons | 1 Power Button, 1 Trigger Button, 3 Programmable Buttons |
| **Microphone** | N/A | Built-In Microphone | Built-In Microphone | Built-In Microphone |
| **Speaker** | N/A | Built-In Speaker | Built-In Speaker | Built-In Speaker |
| **Network Interface** | | | | |
| **WLAN** | Wi-Fi 802.11ac, 2.4/5 GHz Dual Band | Wi-Fi 802.11ax, 2.4/5 GHz Dual Band | Wi-Fi 802.11ax, 2.4/5 GHz Dual Band | Wi-Fi 802.11ax, 2.4/5 GHz Dual Band |
| **I/O Ports** | | | | |
| **USB Port** | 1 x USB Type-C (data transmitting and charging; data transmitting only available in one insertion direction) | 1 x USB 3.0, 1 x USB Type-C | 3 x USB 3.0, 1 x USB Type-C | 1 x USB 3.0, 2 x USB 2.0 |
| **Headset Jack** | N/A | 1 (3.5 mm) | 1 (3.5 mm) | 1 (3.5 mm) |
| **Ethernet Port** | N/A | 1 (RJ45) | 1 (RJ45) | 1 (RJ45) |
| **HDMI-out** | N/A | N/A | N/A | 1 |
| **DC-in** | N/A | 1 | 1 | 1 |
| **Smart Card/CAC Reader** | Full Slot (Reads ISO 7816 T=0, T=1); 1.8/3/5V Smart Card | | | N/A |
| **Mechanical and Environmental** | | | | |
| **AC/DC Adapter** | Input: 100-240V AC; Output: 20V DC, 3A | Input: 100-240V AC; Output: 20V DC, 3A | Input: 100-240V AC; Output: 20V DC, 3A | Input: 100 – 240V AC; Output: 19V DC, 3.42A |
| **Battery Pack** | Hot-Swappable Battery (3100mAh) | Hot-Swappable Battery (5400mAh) | Hot-Swappable Battery (5400mAh) | Hot-Swappable Battery (5400mAh) |
| **Enclosure** | ABS + PC Plastic; Antimicrobial Enclosure | ABS + PC Plastic and Magnesium-Aluminum Alloy; Antimicrobial Enclosure | | |
| **Dimensions (H x W x D)** | 7.6 x 3.7 x 1.2 in/192 x 95 x 31 mm | 7.8 x 11 x 0.86 in/198 x 280 x 21.9 mm | 10.1 x 13.2 x 0.8 in/256 x 335 x 21 mm | 10.1 x 13.2 x 0.8 in/256 x 335 x 21 mm |
| **Weight** | 1.1 lbs/485 g | 3.1 lbs/1.4 kg | 3.97 lbs/1.8 kg | 3.97 lbs/1.8 kg |
| **Durability** | IP65 and MIL-STD-810G Certified | IP65 and MIL-STD-810G Certified | IP65 and MIL-STD-810G Certified | N/A |
| **Regulatory** | FCC/IC, CE/CB, RCM, ANSI/AAMI ES60601-1 | FCC/IC, CE/CB, RCM, ANSI/AAMI ES60601-1, Energy Star 8.0 | FCC/IC, CE/CB, RCM, ANSI/AAMI ES60601-1 | |
| **Temperature** | Operation: -10°C to 50°C (14°F to 122°F) | Operation*: -10°C to 60°C (14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F)<br>*For battery safety and optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F) | | Operation: 0°C to 40°C (32°F to 104°F) |
| | Storage: -20°C to 60°C (-4°F to 140°F ) | Storage: -55°C to 70°C (-67°F to 158°F) | | |
| **Humidity** | 0% to 90% Non-Condensing | | | |
| **Major Options** | | | | |
| **Barcode Scanner** | 2D Barcode Scanner (Reads 1D & 2D) | | | |
| **NFC/RFID Reader** | HF 13.56 MHz, ISO 15693, 14443A(B) & 18000-3 Mode 1 or Dual Frequency (Reads both 125 KHz & 13.56 MHz Credentials) | HF 13.56 MHz, ISO 15693, 14443A(B) & 18000-3 Mode 1 | Dual Frequency ( Reads 125 KHz & 13.56 MHz Credentials) | N/A |
| **Mobile Broadband** | N/A | 4G LTE/AWS | 4G LTE/AWS | N/A |

* Specifications subject to change without notice.

| Model | 316T/MD | 373T/MD |
|---|---|---|
| **System** | | |
| **CPU** | Intel® Core™ i5-1135G7, 4-Core, up to 4.2 GHz<br>Intel® Core™ i7-1165G7, 4-Core, up to 4.7 GHz | Intel® Pentium® Gold 7505, 2-Core, up to 3.5 GHz<br>Intel® Core™ i5-1135G7, 4-Core, up to 4.2 GHz<br>Intel® Core™ i7-1165G7, 4-Core, up to 4.7 GHz |
| **RAM** | 8GB to 16GB | 8GB to 16GB |
| **Storage** | 256GB to 1TB Flash | 256GB to 1TB Flash |
| **Operating System** | Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu | |
| **Display** | 15.6" LED-Backlit Touchscreen | 17" LED-Backlit Touchscreen |
| **Display Resolution** | 1920 x 1080 | 1920 x 1080 |
| **NIST Compliance** | NIST Compliant BIOS Available | NIST Compliant BIOS Available |
| **Camera** | Full-HD Front Camera & 8 MP Back Camera | Full-HD Front Camera & 8 MP Back Camera |
| **Control Switch and Buttons** | 1 x Power Button, 3 x Programmable Buttons | 1 x Power Button, 3 x Programmable Buttons |
| **Microphone** | Built-In Microphone | Built-In Microphone |
| **Speaker** | Built-In Speaker | Built-In Speaker |
| **Network Interface** | | |
| **WLAN** | Wi-Fi 802.11ac; 2.4/5 GHz Dual Band | Wi-Fi 802.11ac; 2.4/5 GHz Dual Band |
| **I/O Ports** | | |
| **USB Port** | 4 x USB 3.0 | 6 x USB 3.0, 1 x USB Type C |
| **Headset Jack** | 1 (3.5 mm) | 1 (3.5 mm) |
| **Ethernet Port** | 1 (RJ45) | 1 (RJ45) |
| **DC-in** | 1 | 1 |
| **Mechanical and Environmental** | | |
| **AC/DC Adapter** | Input: 100-240V AC; Output: 18.5V DC, 3.89A | Input: 100-240V AC; Output: 18.5V DC, 3.89A |
| **Battery Pack** | Hot-Swappable Battery (11.4V, 5400mAh) | Hot-Swappable Battery (11.4V, 5400mAh) |
| **Enclosure** | ABS + PC Plastics and Magnesium-Aluminum Alloy with Antimicrobial Enclosure | |
| **Dimensions (H x W x D)** | 10.2 x 15.2 x 1.04 in/259.6 x 385.2 x 26.4 mm | 16.9 x 11.1 x 1.06 in/430 X 282 X 27mm |
| **Weight** | 4.63 lbs/2.1 kg | 4.41 lbs/2 kg |
| **VESA-Complient Mounting** | 75 x 75 mm VESA Standard | 75 x 75 mm VESA Standard |
| **Durability** | IP65-Rated Front Panel | IP65-Rated Front Panel |
| **Regulatory** | FCC/IC, CE/CB, RCM, ANSI/AAMI ES60601-1 | |
| **Temperature** | Operation: -10°C to 60°C (14°F to 140°F) | Operation: -10°C to 60°C (14°F to 140°F),<br>Optional: -30°C to 60°C (-22°F to 140°F) |
| | Storage: -55°C to 70°C (-67°F to 158°F) | Storage: -55°C to 70°C (-67°F to 158°F) |
| **Humidity** | 0% to 90% Non-Condensing | |
| **Major Options** | | |
| **NFC/RFID reader** | Dual Frequency (Reads 125 KHz & 13.56 MHz Credentials) | N/A |
| **Smart Card/CAC Reader** | N/A | Full-Slot (Reads ISO 7816 T=0, T=1); 1.8/3/5V Smart Card |
| **Mobile Broadband** | N/A | 4G LTE/AWS |

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## Accessories

- **Wall/Vehicle Mount Cradle**

- **Docking Keyboard**

- **Slim Detachable Keyboard**

- **Handstrap with Kickstand**

- **Desktop Charging Cradle**

- **Battery Pack**

- **3-Slot Battery Holster**

- **Digital Pen**

- **Battery Charging Kits**

- **Battery Gang Charger**

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