# RUGGED 2-IN-1 MEDICAL TABLETS

## Slim, Antimicrobial, ANSI/AAMI ES60601-1 Certified Tablet for Efficient Operations

The DT Research Rugged 2-in-1 Medical Tablets feature the integration of brilliant capacitive touch screens and high performance, energy-efficient Intel® Core™ i series processors within slim, lightweight, durable packages. With built-in front and back cameras, Wi-Fi as well as optional data capture modules, these medical tablets offer health professionals effective tools to monitor, record and retrieve patient information.



## Features

- 10.1" or 13.3" high-brightness capacitive screens, digital pen support
- Intel® 8th, 10th or 11th Generation Core™ i processor
- Microsoft® Windows® 10 IoT Enterprise or Ubuntu operating system
- Docking keyboard option for 2-in-1 (tablet/ laptop) applications
- ANSI/AAMI ES60601-1 certified with antimicrobial enclosure
- IP65 and MIL-STD-810G certified
- NIST compliant BIOS available
- Energy Star 8.0 certified (301Y/MD)
- Hot swappable battery pack
- Built-in front and back cameras
- Built-in smart card/CAC reader

## Major Options

- Barcode scanner
- Single/dual frequency NFC/RFID reader
- 4G LTE/AWS

# Specifications

| Model | 301Y/MD | 313Y/MD |
|---|---|---|

## System

| | | |
|---|---|---|
| **CPU** | Intel® Core™ i5-1135G7, Quad-Core, 4.2GHz (max turbo frequency)<br>Intel® Core™ i7-1165G7, Quad-Core, 4.7GHz (max turbo frequency) | Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz)<br>Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz)<br>Intel® Core™ i7-10710U, Hexa-Core, 1.1GHz (up to 4.7GHz) |
| **RAM** | 8GB to 16GB | 8GB to 16GB |
| **Storage** | 256GB to 512GB Flash | 256GB to 512GB Flash |
| **Operating System** | Microsoft® Windows® 10 IoT Enterprise or Ubuntu || 
| **NIST Compliance** | NIST compliant BIOS available ||
| **Display** | 10.1" LED-backlight, high-brightness (800 nits) screen with capacitive touch, outdoor viewable | 13.3" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable |
| **Display Resolution** | 1920 x 1200 | 1920 x 1080 |
| **Buttons** | 1 power button, 2 brightness control buttons, 5 programmable buttons | 1 power button, 2 brightness control buttons, 5 programmable buttons |
| **Microphone** | Built-in microphone | Built-in microphone |
| **Speaker** | Built-in speaker | Built-in speaker |
| **Camera** | Full-HD front camera and 8 megapixel back camera | Full-HD front camera and 8 megapixel back camera |

## Network Interface

| | | |
|---|---|---|
| **WLAN** | Wi-Fi 802.11ax, 2.4GHz/ 5GHz dual band ||

## I/O Ports

| | | |
|---|---|---|
| **USB Ports** | USB 3.0 x 1, USB Type C x 1 (data transmitting and charging) | USB 3.0 x 3, USB Type C x 1 (data transmitting and charging) |
| **Headset Jack** | 1 (3.5mm) | 1 (3.5mm) |
| **Ethernet Port** | Ethernet 10/ 100/ 1000MB Base-T LAN | Ethernet 10/ 100/ 1000MB Base-T LAN |
| **Smart Card/ CAC Reader** | Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card | Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card |

## Mechanical and Environmental

| | | |
|---|---|---|
| **AC/DC Adapter** | Input: 100-240V AC; Output: 20V DC, 3A ||
| **Battery Pack** | Hot swappable battery, 11.4V, 5400mAh | Hot swappable battery, 11.4V, 5400mAh |
| **Enclosure** | ABS + PC plastics and magnesium-aluminum alloy; antimicrobial enclosure ||
| **Dimensions (H x W x D)** | 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 |
| **Weight** | 3.1 lbs/ 1.4 kg | 3.97 lbs/ 1.8 kg |
| **Durability** | IP65 and MIL-STD-810G certified | IP65 and MIL-STD-810G certified |
| **Regulatory** | FCC/IC, CE/CB, RCM, CCC, ANSI/AAMI ES60601-1, Energy Star 8.0 | FCC/IC, CE/CB, RCM, CCC, ANSI/AAMI ES60601-1 |
| **Temperature** | Operation*: -10°C to 60°C (14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F)<br>Storage: -55°C to 70°C (-67°F to 158°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) ||
| **Humidity** | 0% – 90% non-condensing ||

## Major Options

| | | |
|---|---|---|
| **Barcode Scanner** | 2D scanner, reads 1D also | 2D scanner, reads 1D also |
| **NFC/RFID Reader** | HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1 | Dual frequency, reads both 125KHz and 13.56MHz credentials |
| **Mobile Broadband** | 4G LTE/AWS | 4G LTE/AWS |

\* Specifications subject to change without notice.

# Accessories

· Docking Keyboard    · Slim Detachable Keyboard    · Desktop Charging Cradle    · Wall/Vehicle Mount Cradle    · 3-Slot Battery Holster    · Battery Pack and Gang Charger    · Digital Pen

### Product Configurator

www.dtresearch.com/productconfig