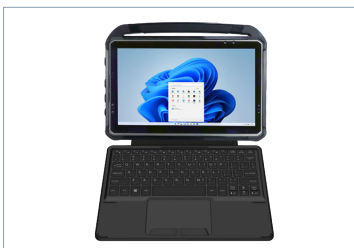**DT Research**
www.dtresearch.com

DT312PA
Rugged Tablet

Slim, Rugged, Multi-Functional Wireless Computing

The DT312PA Rugged Tablet features the integration of high-brightness 11.6" touchscreen and a high performance, energy-efficient Intel® Core™ Ultra processor within a slim, lightweight, durable package. With a built-in Wi-Fi module as well as optional front/ back cameras, smart card/CAC reader, barcode scanner and GNSS data capture modules, this robust tablet offers seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810H/461G certified with a wide temperature range, the DT312PA Rugged Tablet provides reliable operation in harsh, mission-critical environments.

Features

- 11.6" sunlight readable touchscreen, digital pen support
- Intel® Core™ Ultra 5/7 processor
- Microsoft® Windows® 11 IoT Enterprise operating system
- NIST compliant BIOS available
- Hot-swappable battery for 24/7 operation
- IP65-rated for water and dust resistance
- MIL-STD-810H for shock and vibration protection
- MIL-STD-461G for EMI and EMC tolerance
- Slim keyboard option for 2-in-1 applications
- Quick Access SSD

Major Options

- 5 MP Front Camera and 13 MP Back Camera
- 4G LTE/5G
- GPS Module
- 2D Barcode Scanner (Reads 1D and 2D)
- Smart Card/CAC Reader
  * 4G module, 2D Scanner and GPS cannot be built onto same device.

Specifications

Model	DT312PA

System

CPU	Intel® Core™ Ultra 5 Processor 225U, 12 core (up to 4.80 GHz) Intel® Core™ Ultra 7 Processor 255U, 12 core (up to 5.20 GHz)
RAM	16G to 32G LPDDR5
Storage	512GB to 4TB *Support quick access SSD function to easily replace the SSD without opening the back cover.
Operating System	Microsoft® Windows® 11 IoT Enterprise
NIST Compliance	NIST Compliant BIOS Available
Display	11.6" LED-Backlit, Sunlight-Readable (1000 nits) Touchscreen
Display Resolution	1920 x 1080
Switches and Buttons	1 x Power Button, 2 x Brightness Buttons, 5 x Programmable Buttons
Microphone	Built-In Microphone with DSP for Real- Time Video Streaming
Speaker	Built-In Speaker

Network Interface

WLAN	Wi-Fi 802.11ax, 2.4/5/6 GHz Three Band
BT	5.3

I/O Ports

USB Ports	1 x USB3.2 (Type-A), 1 x USB3.2 latest USB/charging	
DC IN Jack	1	**Standard**
Ethernet Port	1 x Ethernet 10/100/1000MB Base-T LAN	
24-pin Fischer Minimax Connector	1 x USB2.0, COM port, RJ45, Power 5A (in), and Power 2A (out)	**Optional**

Mechanical and Environmental

AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.42A (65W)
Enclosure	ABS + PC Plastic and Magnesium-Aluminum Alloy
Battery Pack	Hot-Swappable Battery (11.4V, 3800mAh) (Optional) 60W Hot-Swappable Battery (11.4V, 5400mAh) (Optional) 90W Hot-Swappable Battery, (11.4V, 8000mAh)
Dimensions (H x W x D)	8.3 x 12.4 x 0.78 in/212 x 316 x 20 mm
Weight	3.43 lbs/1.55 kg
Temperature	Operation*: -10°C to 60°C (14°F to 140°F)
	Storage: -50°C to 70°C (-58°F to 158°F)
Humidity	0% to 90% Non-Condensing
Certifications	CE, FCC Class B, IC, CB, RCM, IEC 60601-1, IEC62680, EPEAT, Energy star 8.0
Durability	IP65, MIL-STD-810H and MIL-STD-461G Certified

Major Options

Barcode Scanner	2D Barcode Scanner (Reads 1D and 2D)
Camera	5 MP Front Camera and 13 MP Back Camera
GNSS Module	GPS
Mobile Broadband	4G LTE/5G
Smart Card/CAC Reader	Half Slot (Supports ISO 7816 T=0, T=1); 1.8V/3V/5V Smart Card

* Specifications subject to change without notice.

Accessories

The DT312RP Tablet has customized accessories to meet numerous deployment needs.

Digital Pen

Pen Tip	Diameter: 0.059 in/ 1.5mm, replaceable
Buttons	2 side buttons (right-click and eraser)
Battery	1 AAAA, replaceable
Color	Black
Dimensions	Length: 5.5 in/ 140 mm (including pen tip) Diameter: 0.38 in/ 9.7 mm
Weight	0.055 lbs/ 25 g

Slim Keyboard

Designed to connect to DT312RP tablet without switching and pairing

Battery Charging Kits

High Capacity Battery Pack

Product Configurator

www.dtresearch.com/productconfig