DT311YR
Rugged Tablet

Slim, Rugged, Multi-Functional Wireless Computing

The DT311YR Rugged Tablet features the integration of high-brightness 11.6" touchscreen and a high-performance, energy-efficient Intel® Core™ processor within a slim, lightweight, durable package. With built-in smart card/CAC reader and Wi-Fi, as well as optional data capture modules, this robust tablet offers seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810H/461G, and HERO certified with a wide temperature range, the DT311YR Rugged Tablet provides reliable operation in harsh, mission-critical environments.

Features

- 11.6" full-HD capacitive 1000 nits touchscreen, digital pen support
- Intel® Core™ i5/i7 processor
- Microsoft® Windows® 10/11 IoT Enterprise operating system
- NIST compliant BIOS available
- High capacity, hot-swappable battery pack
- Built-in smart card/CAC reader
- Anti-microbial coating
- IP65 rated, MIL-STD-810H and MIL-STD-461G certified
- HERO (Hazard of Electromagnetic Radiation to Ordnance) certified
- Slim keyboard option for 2-in-1 applications
- Quick access SSD
- Energy Star 8.0 certified

Major Options

- Long range BT Class 1 (1000 ft)
- Front and back cameras
- 2D barcode scanner (reads 1D and 2D)
- UHF RFID reader
- GPS module
- 4G LTE/AWS
- C1D2 configurations available

Specifications

Model	DT311YR

System

CPU	Intel® Core™ i7-1355U, 10-core, up to 5.0 GHz Intel® Core™ i5-1335U, 10-core, up to 4.6 GHz
RAM	8GB to 32GB
Storage	512GB to 2TB flash *Support quick access SSD function to easily replace the SSD without opening the back cover.
Operating System	Microsoft® Windows® 10/11 IoT Enterprise
NIST Compliance	NIST compliant BIOS available
Display	11.6" LED-backlit, high-brightness 1000 nits touchscreen
Display Resolution	1920 x 1080
WLAN	Wi-Fi 802.11ax, 2.4/5/6 GHz dual band
Microphone	Built-in microphone
Speaker	Built-in speaker
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card
Buttons	1 x power button; 2 x brightness buttons; 5 x programmable buttons

I/O Ports

USB Ports	1 x USB 3.0, 1 x latest USB/charging
Ethernet Port	1 x Ethernet 10/100/1000MB Base-T LAN
Headphone Jack	1 (3.5 mm)
DC-in Jack	1

Mechanical and Environmental

AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.42A
Enclosure	ABS + PC plastic and magnesium-aluminum alloy
Battery Pack	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 0.86 in/212 x 316 x 21.9 mm
Weight	3.5 lbs/1.6 kg
Temperature	Operation*: -10°C to 60°C (14°F to 140°F) Optional -30°C to 60°C (-22°F to 140°F) with a built-in heating element. *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) Storage: -50°C to 70°C (-58°F to 158°F)
Humidity	0% to 90% non-condensing
Certifications	CE, FCC Class B, RoHS, Energy star 8.0
Durability	IP65, MIL-STD-810H and MIL-STD-461G certified
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes

Major Options

Barcode Scanner	2D barcode scanner (reads 1D and 2D)
Camera	2 MP front camera and 8 MP back camera
UHF RFID Reader	865 to 928MHz, EPCglobal Class 1 Gen 2/ISO 18000-6C; 30 ft (9.14m) reading distance
GNSS	GPS
Mobile Broadband	4G LTE/AWS
Long Range BT	Class 1 BT (1000 ft)
Certification	C1D2

* Specifications subject to change without notice.

Accessories

The DT311YR 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 Detachable Keyboard

Designed to connect to DT311YR tablet without switching and pairing

Handstrap with Kickstand

With rotatable, adjustable handstrap and foldable kickstand

Desktop Charging Cradle

Docking support with ports for Power, USB, HDMI output and Ethernet

Wall/ Vehicle Mount Cradle

Offers tablet storage and security with power supply and I/O ports.

Battery Charging Kits

Carrying Case   High Capacity Battery Pack

110S25 DT311YR ENG

Product Configurator

www.dtresearch.com/productconfig