DT382WN/DT382WH
Rugged Tablet

Slim, Rugged, Multi-functional Wireless Computing

The DT Research DT382W Series Rugged Tablet features the integration of a brilliant 8" touchscreen and high-performance yet energy-efficient Intel® processor within a slim, lightweight, and durable package. With built-in Wi- Fi, BT connectivity, along with optional features such as 2D barcode scanner, 8 MP back camera, NFC/RFID reader, UHF RFID reader, LRBT, 4G LTE, GPS to enhance versatility, this robust tablet offers seamless information capture and transmission for improved workflow. With IP65, and wide operating temperature range supported, the DT382W Series Rugged Tablet provides reliable operation in harsh, mission-critical environments.

Features

- 8" touchscreen; digital pen support
- Intel® N250 or Intel® Core™ N350 processor
- Microsoft® Windows® 11 IoT Enterprise operating system
- NIST compliant BIOS available
- IP65-rated for water and dust resistance
- Wide operating temperature range

Major Options

- 8 MP back camera
- Barcode scanner or long range baracode scanner
- NFC/ RFID reader or UHF RFID reader
- GPS module
- 4G LTE/AWS
- CAC card reader

* CAC card reader and SD slot cannot be built onto the same device.

Specifications

Model	DT382WN	DT382WH
System		
CPU	Intel® N250, 4-core (up to 3.80 GHz)	Intel® Core™ N350, 8-core (up to 3.90 GHz)
RAM	16GB	16GB
Storage	512GB to 1TB	512GB to 1TB
Operating System	Microsoft® Windows® 11 IoT Enterprise	Microsoft® Windows® 11 IoT Enterprise
NIST Compliance	NIST compliant BIOS available	NIST compliant BIOS available
Display	8" LED-backlit, high-brightness (800 nits) touchscreen	8" LED-backlit, high-brightness (800 nits) touchscreen
Display Resolution	1280 x 800	1280 x 800
Trusted Platform Module	fTPM 2.0	fTPM 2.0
Fan/Fanless	Fanless	Fanless
Switches and Buttons	1 x power button, 2 x brightness buttons, 4 x programmable buttons	1 x power button, 2 x brightness buttons, 4 x programmable buttons
Speaker	Built-in speaker	Built-in speaker
Network Interface		
WLAN	Wi-Fi 802.11ax, 2.4/5/6 GHz three band	Wi-Fi 802.11ax, 2.4/5/6 GHz three band
BT	5.3	5.3
I/O Ports		
USB Ports	1 x USB 3.0, 1 x latest USB/charging (for data transmitting and charging)	1 x USB 3.0, 1 x latest USB/charging (for data transmitting and charging)
Headset Jack	1 (3.5 mm)	1 (3.5 mm)
MicroSD Slot	1 x microSD card slot	1 x microSD card slot
SIM Card Slot	1 x Nano SIM slot	1 x Nano SIM slot
Dc-in	1	1
SD Slot (optional)	1 x SD slot	1 x SD slot
Mechanical and Environmental		
AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.42A	Input: 100 to 240V AC; Output: 19V DC, 3.42A
Battery Pack	Hot-swappable battery (11.4V, 3800mAh) Hot-swappable battery (11.4V, 5400mAh) (optional) Hot-swappable battery (11.4V, 8000mAh) (optional)	Hot-swappable battery (11.4V, 3800mAh) Hot-swappable battery (11.4V, 5400mAh) (optional) Hot-swappable battery (11.4V, 8000mAh) (optional)
Enclosure	ABS + PC plastic	ABS + PC plastic
Dimensions (H x W x D)	5.8 x 9.2 x 1.1 in/147.3 x 234 x 27.7 mm	5.8 x 9.2 x 1.1 in/147.3 x 234 x 27.7 mm
Weight	2.43 lbs/1.1 kg	2.43 lbs/1.1 kg
Durability	IP65	IP65
Regulatory	FCC Class B, IC, CE, RCM, RoHS compliant	FCC Class B, IC, CE, RCM, RoHS compliant
Temperature	Operation*: -10°C to 60°C (14°F to 140°F) Optional -30°C to 60°C (-22°F to 140°F) *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)	Operation*: -10°C to 60°C (14°F to 140°F) Optional -30°C to 60°C (-22°F to 140°F) *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	0% to 90% Non-condensing
Major Options		
Barcode Scanner	2D barcode scanner (reads 1D and 2D) Long range 2D barcode scanner (up to 60ft)	2D barcode scanner (reads 1D and 2D) Long range 2D barcode scanner (up to 60ft)
Camera	8 MP back camera with auto focus, white balance, gain control and exposure control	8 MP back camera with auto focus, white balance, gain control and exposure control
NFC/RFID Reader	HF 13.56 MHz, ISO 15693, 14443A(B) and 18000-3 mode 1	HF 13.56 MHz, ISO 15693, 14443A(B) and 18000-3 mode 1
UHF RFID Reader	865 – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 16 ft (4.87m) reading distance	865 – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 16 ft (4.87m) reading distance
GNSS Module	GPS module	GPS module
Long-Range BT	Class 1 BT (1000 ft.)	Class 1 BT (1000 ft.)
Mobile Broadband	4G LTE/AWS	4G LTE/AWS
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

* Specifications subject to change without notice.

Accessories

- High Capacity Battery Pack
- Battery Gang Charger
- Digital Pen
- X-Handstrap

Product Configurator

www.dtresearch.com/productconfig

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