DT382D Series
Rugged Tablet

Slim, Rugged, Multi-functional Wireless Computing

The DT Research DT382D 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, MIL-STD-810H and HERO certification and wide operating temperature range supported, the DT382D Series Rugged Tablet provides reliable operation in harsh, mission critical environments.

Features

- 8" touchscreen; digital pen supported
- Intel® N200 or Intel® Core™ i3-N300 processor
- Microsoft® Windows® 11 IoT Enterprise operating system
- NIST compliant BIOS available
- IP65-rated for water and dust resistance
- MIL-STD-810H for shock and vibration protection
- HERO (Hazard of Electromagnetic Radiation to Ordnance) certified
- Hot-swappable battery pack
- Wide Operating Temperature Range

Major Options

- Back Camera
- Barcode Scanner or Long Range Baracode Scanner
- NFC/ RFID Reader or UHF RFID Reader
- GPS Module
- Long Range BT
- 4G LTE/AWS
- CAC Card Reader

Specifications

Model	DT382DN	DT382DH
System		
CPU	Intel® N200, 4-core (up to 3.70 GHz)	Intel® Core™ i3-N300, 8-core (up to 3.80 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 & 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	USB 3.0 x 1, USB Type C x 1 (for data transmitting and charging)	USB 3.0 x 1, USB Type C x 1 (for data transmitting and charging)
Headset Jack	1 (3.5 mm)	1 (3.5 mm)
SD Slot	1 x Micro SD Card Slot	N/A
SIM Card Slot	1 x NANO SIM Slot	1 x NANO SIM Slot
Dc-in	1	1
Mechanical and Environmental		
AC/DC Adapter	Input: 100-240V AC; Output: 19V DC, 3.42A	Input: 100-240V AC; Output: 19V DC, 3.42A
Battery Pack	Hot-Swappable Battery (7.6V, 6000mAh) Hot-Swappable Battery (11.4V, 5400mAh) (Optional) Hot-Swappable Battery (11.4V, 8000mAh) (Optional)	Hot-Swappable Battery (7.6V, 6000mAh) 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 and MIL-STD-810H	IP65 and MIL-STD-810H
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes	Yes
Regulatory	FCC Class B, CE, RoHS Compliant	FCC Class B, CE, 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 ~ 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 ~ 158°F)
Humidity	0% – 90% Non-Condensing	0% – 90% Non-Condensing
Major Options		
Barcode Scanner	2D Barcode Scanner (Reads 1D & 2D) Long Range 2D Barcode Scanner (up to 60ft)	2D Barcode Scanner (Reads 1D & 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) & 18000-3 Mode 1	HF 13.56 MHz, ISO 15693, 14443A(B) & 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
Smart Card/CAC Reader	Half-slot (Reads ISO 7816 T=0, T=1; 1.8 / 3 / 5V Smart Card	Half-slot (Reads ISO 7816 T=0, T=1; 1.8 / 3 / 5V Smart Card
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

* Specifications subject to change without notice.

Accessories

· Desktop Charging Cradle

· Tablet Mount Cradle

· Pole/Vehicle Mount Cradle

· High Capacity Battery Pack

· Battery Gang Charger

· Digital Pen

100824 DT382D Series ENG

Product Configurator

www.dtresearch.com/productconfig