DT Research

DT311H
Rugged Tablet PC
Slim, Rugged, Multi-functional Wireless Computing

The DT311H features the integration of a brilliant 11.6" capacitive touch screen and a high performance, energy-efficient Intel® 5th Generation Core™ i7 processor within a slim, lightweight, durable package. With built-in smart card reader, Wi-Fi and Bluetooth modules as well as options for front and back cameras and 4G connection, this robust tablet offers seamless information capture and transmission for improved workflow. Rated IP65 and MIL-STD-810G certified with wide temperature range (-4°F to 122°F), the DT311H provides reliable operation in harsh, mission-critical environments.

• Features

- Intel® 5th Generation Core™ i7 processor; high performance with low power consumption
- Slim, lightweight and durable design
- 11.6" LED-backlight high-resolution display with capacitive touch
- Hot swappable battery pack
- Smart card reader (full-slot) and optional modules: camera, 4G and GPS
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- NIST (National Institute of Standards and Technology) compliant
- TPM (Trusted Platform Module) 1.2 support
- Comprehensive remote device administration through server-based WebDT Device Manager software

DT311H

● Specifications

System

CPU	Intel® Core™ i7, 2.4GHz (4M Cache, up to 3.0GHz)
RAM	4GB, 8GB or 16GB
Storage	64GB to 512GB flash
Operating System	Linux, Microsoft® Windows® Embedded Standard 7, 7 Professional, Windows® Embedded 8 Standard or Windows® 8.1 Pro Industry
Display	11.6" LED-backlight screen with capacitive touch
Display Resolution	1920 x 1080 (Full-HD)
Trusted Platform Module	TPM 1.2 support
Fan/ Fanless	Fan
NIST Compliant	Yes
Control Switch and Buttons	1 power button, 1 RF switch and 2 programmable buttons
Indicator	1 power/ battery status LED and 1 WLAN active LED
Microphone	Yes, built-in microphone with DSP for video conference call
Speaker	Yes, 2W built-in speaker

Network Interface

WLAN	Wi-Fi 802.11a/b/g/n; 2.4GHz/5GHz dual band
Bluetooth	Bluetooth 4.0

I/O Ports

USB Port	1 eSATA USB hybrid port
Headphone-out	1 (3.5mm)
DC-in	1
Full Slot Smart Card Reader	Reads ISO 7816 T=0, T=1; 1.8/3/5V smart card

Mechanical and Environmental

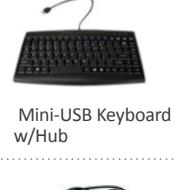|	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 19V DC, 6.31A
Battery Pack	Hot Swappable battery, 7.2V, 6150mAh
Enclosure	ABS + PC plastics and magnesium-aluminum alloy
Stylus	Yes, capacitive touch stylus
Protective Grip	Rubber bumpers on each corner for handling protection
Dimensions (H x W x D)	8.2 x 12.3 x 0.86 in/ 208.2 x 312.3 x 21.95 mm
Weight	2.76 lbs/ 1.25 kg
Water and Dust Resistance	IP65
Vibration and Shock Resistance	MIL-STD-810G
Regulatory	FCC Class B, CE, RoHS compliant
Temperature	**Operation:** 32°F to 104°F (0°C to 40°C); Upgrade option: -4°F to 122°F (-20°C to 50°C)
	Storage: -4°F to 140°F (-20°C to 60°C)
Humidity	0% – 90% non-condensing

* Specifications subject to change without notice.

● Major Options

Front/Back Camera

Sensor	Front: 1/5" CMOS, 2M sensor Back: 1/4" CMOS, 5M sensor with LED flash light
Resolution	Front: Support up to 1600 x 1200 pixels still image Back: Support up to 2594 x 1944 pixels still image
Automatic Image Control	Automatic white balance, gain control, and exposure control
Focusing Type	Auto focus
Focus Distance	10cm ~ ∞

WWAN/GPS

4G module for LTE, HSPA+, GSM/GPRS/EDGE, EV-DO, Rev A and 1xRTT

● Accessory

The DT311H has a suite of customized accessories to meet numerous deployment needs.

- Desktop Charging Cradle
- Automobile Power Adapter
- Plastic Tablet Handstrap (Included)
- Wall/ Vehicle Mount Cradle
- AC/DC Power Adapter with Power Cord
- Shoulder Strap for Tablets
- Multi-tray charger, capable of charging up to 5 tablets simultaneously
- Mini-USB Keyboard w/Hub
- USB Mouse
- Keyboard Tray and Keyboard (the Wall/ Vehicle Mount cradle is not included)
- Stylus (Included)