

DT610

RFID Mobile Computer



ARCore



Qualcomm



Meet the DT610

*Smartphone-style Design
Next-Level Innovation*

DT610 is a lightweight rugged RFID smartphone built for all-day enterprise performance.

Powered by the Qualcomm Q-6690 platform, it delivers AI-enhanced computing and optimized power efficiency for faster on-device operations. With 5G, Wi-Fi 7, and Bluetooth 6.0, DT610 enables up to 4.8× faster connectivity and ultra-low latency, ensuring real-time data access and seamless enterprise workflows.

Integrated Impinj Gen2X RFID supports fast, accurate multi-tag reading for efficient inventory and asset tracking. Weighing just 222 g with a slim ergonomic design, it offers all-day comfort, a 6-inch FHD+ sunlight-readable display, and on-screen NFC for tap-to-pay and identity verification.

Built for continuous operation, it features a hot-swappable AI battery and secure fingerprint unlock, with rugged durability supporting 1.5 m drops (up to 1.8 m with boot) and -20 °C to 60 °C operation.

DT610 combines smartphone usability with enterprise-grade durability, powered by Qualcomm's next-generation platform.

Product Highlights

Lightweight & Ergonomic Design

Weighing just 222 g and measuring under 13 mm thick, the DT610 is designed for all-day comfort. Its ergonomically optimized width and thickness allow natural one-handed operation, reducing hand fatigue while keeping essential functions within easy reach.

Integrated RFID

Equipped with Impinj Gen2X RFID, the DT610 reads 50+ tags per second at distances up to 1.5 meters, enabling fast and accurate inventory and asset tracking. Ideal for warehouse management, retail stocktaking, and asset tracking, it streamlines operations with greater efficiency and reliability.

Redefined Performance

Powered by the world's first enterprise mobile processor with fully integrated UHF (RAIN) RFID capabilities, the DT610 features an octa-core CPU up to 2.9 GHz, 6 INT8 TOPS of on-device AI performance, and comes with Android 15 out of the box—delivering exceptional responsiveness for demanding workflows.

Next-Gen Wireless

Powered by 5G and Wi-Fi 7 (2×2 MU-MIMO) with 6 GHz support, the DT610 delivers up to 4.8× faster speeds and expanded bandwidth for superior throughput. With 4× lower latency and 5× greater capacity, it ensures ultra-responsive performance in high-density environments. (VS Wi-Fi 6)

Combined with Bluetooth 6.0, the DT610 enables low-latency, multi-device connectivity with optimized power efficiency—keeping mission-critical operations running in real time.

Brilliant FHD+ Display

The 6-inch FHD+ screen (1080×2160) delivers sharp details, vibrant colors, and wide viewing angles. A 600-nit high-brightness panel ensures clear visibility even in bright sunlight, such as a truck cab.

On-Screen NFC

With on-screen NFC, the DT610 enables tap-to-pay transactions and instant data exchange directly through the display. Eliminating the need to locate a dedicated antenna, this design provides intuitive, efficient user experiences for payments, ID verification, and access control.

Choose standard or advanced scanning

The FlexRange scan engine has a flexible working range -from 5cm to 10 m. Its impressive reading range and speed enable users to read barcodes without having to bend, stretch, or climb ladders, making scanning safer and more efficient.

The standard 1D/2D scan engine delivers fast, accurate barcode capture with stable performance in all lighting conditions, including bright sunlight.

AI-Powered Smart Battery Management with Hot-Swap Flexibility

The DT610 features a 4,000 mAh standard battery, expandable to 4,950 mAh. AI-driven intelligent charging optimizes efficiency and extends battery life, while hot-swap support allows battery replacement without downtime, keeping operations running through extended shifts.

High-Performance Camera with ARCore

The 16 MP high-resolution camera captures sharp, detailed images with vibrant clarity. Certified for ARCore, it supports augmented reality experiences, including virtual shelf displays and in-store navigation.

Biometric Security

A fingerprint sensor integrated into the power button enables instant, secure user authentication with a single touch.

Rugged Durability

Built to withstand 1.5 m (5 ft) drops onto tile-over-concrete surfaces across -20 °C to 60 °C (-4 °F to 140 °F), meeting MIL-STD-810H. With the rugged boot attached, drop protection extends to 1.8 m (5.9 ft) on concrete under the same conditions

Streamlined Device Setup & Enterprise Management

UROVO U-Stage is designed to make device setup faster and simpler, helping customers get all their devices ready for use with minimal effort. By creating a staging file with the required configurations, settings, and applications, devices can be automatically set up through remote deployment, local file import, or QR code scanning—without manual procedures.

OEMConfig also integrates with enterprise EMM platforms, enabling customized policy deployment, permission control, and compliance management across devices.

Visualized Fleet Management

UROVO UMS (Unified Management System) provides visualized management, enabling IT administrators to centrally manage multiple mobile devices from a single dashboard across different device types and operating systems. It supports shared device access control, application whitelisting and blacklisting, as well as granular user and device group permissions. From deployment to decommissioning, UMS streamlines device and smart battery lifecycle management, remote data wipe, and password policy enforcement—helping enterprises protect critical data while improving workforce productivity.

Specifications

PERFORMANCE CHARACTERISTICS

CPU	Octa-core 2.0GHz/2.9GHz Antutu Score 1,114,080
Operating System	Android 15.0, Upgradable to Android 19
Memory	8 GB RAM / 128 GB UFS 12GB RAM / 256GB UFS(Optional)

PHYSICAL CHARACTERISTICS

Dimensions	165 mm L x 76.2 mm W x 12.9 mm D
Weight	222g
Display	6.0 inches 1080 x 2160, LCD
Touchpanel	Multi-mode capacitive touch with bare or gloved fingertip input or stylus (sold separately), Corning Gorilla Glass; Water droplet rejection; Fingerprint resistant anti-smudge coating
Power	User replaceable battery standard capacity 3.85V 4000mAh/15.4Wh (Optional 4,950mAh);Smart Battery Management
Hot swap	Support
Quick Charging	Optional
Expansion Slot	User-accessible microSD card up to 2 TB
SIM / SAM	Hybrid Dual SIM Slot (2 Nano SIM or 1 Nano SIM/1 Micro SD) - 2nd Nano SIM is supported by micro SD Card Slot 2 Nano SIM or 1 Nano SIM and 1 e-SIM Dual SIM/Dual Standby
Interface	Rear: 8-pin communication I/O; Bottom: USB-C 3.1(support OTG,DP), 2-pin Charging Connector, 2-pin communication I/O
Notification	Audible tone ; Vibration; LED
Keypad & Button	On-screen keypad and Enterprise Keyboard; Power button; Volume up/down buttons; Dual-action side scan buttons; Programmable action button: Default to PTT
Voice and Audio	Two noise-canceling microphones; High-quality Single speaker phone; PTT headset USB-C support; Bluetooth wireless headset support, SWB & FB audio; cellular circuit switch voice; HD voice
PTT Hot Key	Programmable action buttons: Default to PTT

WIRELESS WAN DATA AND VOICE COMMUNICATION

Radio Frequency Band	Rest of World: 2G: 850/900/1800/1900 3G: B1/B2/B4/B5/B8 4G: B1/2/3/4/5/7/8/13/17/18/19/20/26/28 /34/38/39/40/41/42/43; 5G:n1/2/3/5/7/8/20/28/38/40/41/77/78/79; North America: 3G: B2/4/5; 4G: B2/4/5/7/12/13/14/17/25/26/29/30 /38/41/43/48/66/71; 5G FR1:n2/5/7/12/13/14/25/26/29/30/ 38/41/48/66/71/77/78; Dual SIM/Dual Standby, VoLTE, Gigabit LTE-A, 5G NR Sub-6 (NSA, SA), LTE/NR Carrier Aggregation
GPS	GPS, A-GPS, GLONASS, Galileo, BeiDou, QZSS; concurrent L1/G1/E1/B1 (GPS/QZSS, GLO, GAL, BeiDou) + L5/E5a/BDS B2a (GPS/QZSS, GAL, BeiDou); A-GPS; Supports XTRA ;

WIRELESS LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax/be; 2x2 MU-MIMO; Wi-Fi™ 7 (801.11be); Dual Band Simultaneous; IPv4, IPv6
Data Rates	6 GHz: 802.11ax/be-20 MHz, 40 MHz, 80 MHz, 160 MHz,320 MHz-up to 5764.7 Mbps; 5 GHz: 802.11a/n/ac/ax/be-20 MHz, 40 MHz, 80 MHz, 160 MHz-up to 2882.35 Mbps; 2.4 GHz: 802.11b/g/n/ax/be-20 MHz, 40 MHz up to 688.24 Mbps
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES),EAP- TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC , LEAP and EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP- 256) - EAP-TLS; Enhanced Open (OWE); WPA3-FT, SCV (Server Certificates Validation)

SENSOR

Light Sensor	Ambient Light
Other Sensors	Accelerator+ Proximity + Geomagnetic + Gyro

WIRELESS PAN

Bluetooth	Configurable Class 1 and 2, Bluetooth v6.0; Classic Bluetooth(BR/EDR) and Bluetooth LE
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DATA CAPTURE

Scanning	Standard Range 1D/2D scan engine; FlexRange 1D/2D scan engine (Optional).
Camera	Rear : 16MP autofocus; flash LED, PDAF; Torch mode; Front : 8MP Fixed, FF; AR Core Certification
NFC	ISO 14443 Type A and B; Sony FeliCa and ISO 15693 cards; Card Emulation via Host; Contactless payment support; MIFARE 1K/4K, MIFARE DESFire, ISO/IEC 18092 (Type F) EMVCo PCD L1 Compliant
RFID	Built-In UHF RFID - Read Range : Up to 1.5 m - Read Rate : 50 tags/s
Biometrics	Fingerprint sensor integrated into the power button

USER ENVIRONMENT

Operating Temp	-20°C to 60°C / -4°F to 140°F
Storage Temp	-40°C to 70°C/ -40°F to 158°F
Humidity	5% to 95% non-condensing
Drop Spec	1.5 m / 5 ft. drops to tile over concrete over operating temp (-20°C to 60°C/-4°F to 140°F) per MIL-STD 810H With Rugged boot: 5.9 ft./1.8 m drops to concrete over operating temp (-20°C to 60°C/-4°F to 140°F) with Rugged boot per MIL-STD-810H
Tumble Spec	500 1.6 ft./0.5 meter tumbles at room temperature without Rugged boot 1000 1.6 ft./0.5 meter tumbles at room temperature with Rugged boot
Sealing	IP67
Vibration	12.2 g PK Sine (10 Hz to 55 Hz); 2.0 mm Double Amplitude (Constant Displacement); 60 minute duration per axis, 3 axis;
Thermal Shock	-40°C to 70°C(-40°F to 158°F)thermal shock; 12 cycles (1 cycle = 1 hour at -40°C and 1 hour at 70°C); 2-hour recovery at room temperature before inspection;
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

SOFTWARE SOLUTIONS

UEE Software Solutions	-Enterprise Management: Unified Management System (UMS) UStage Provisioning OEMConfig UTalk 2.0 PTT platform OTA / Firmware Update Management App Market -Device Productivity: ScanWedge RFIDWedge OCRWedge Key Mapping U-Browser Enterprise Launcher -Diagnostics & Maintenance: Log Capture WiFi Diagnostics Smart Battery Management -AI & Smart Tools: OCR Text Recognition AI Vision- Multibarcode AI Voice - Translingo/ Control
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3rd Party Solutions Integration

EMM:	SOTI Omnissa Workspace ONE(Airwatch) 42Gears safeUEM Industry Solutions: SAP Velocity (TE) P3finder TeamViewer
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ACCESSORIES

Accessories	<ul style="list-style-type: none"> • RFID Sled • Charging cradle for DT610 and RFG91 (1 DT610 device with/without rugged case & 1 RFG91 device) • 5-slot charging cradle (4 DT610 devices with/without rugged case & 4 RFG91 devices, with 4 spare batteries charging) • Single-slot charging cradle (1 DT610 device with/without rugged case & 1 spare battery charging) • Single-slot Ethernet cradle (1 DT610 device with/without rugged case & 1 spare battery charging) • Single-slot Ethernet and display cradle (1 DT610 device with/without rugged case & 1 spare battery charging) • 5-slot charging cradle (5 DT610 devices with/without rugged case) • 5-slot charging cradle (4 DT610 devices with/without rugged case & 4 spare batteries charging) • 4-slot battery charger (4 DT610 batteries)-High-capacity battery(4950mAh) • Standard battery(4000mAh) • Rugged case • Wrist strap • Shoulder strap • Glass protective film • 18W(9V-2A) wall adapter + USB 2.0 Type C cable • 10W(5V/2A) wall adapter + USB 2.0 Type C cable
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Industry & Applications



Retail

Inventory Management
Assisted Selling
In-Store Communication & Collaboration
Item Location & Product Lookup
Customer Engagement
Task & Price Management
Front-of-Store Replenishment



Transportation & Logistics

Parcel Tracking
Proof of Delivery (POD)
Work Order Management
Inventory Replenishment
Workforce Collaboration



Airlines

Passenger Processing & Gate-side
Baggage Check
Passenger Manifest Verification
In-flight Retail & Catering Sales



Hospitality & Event Management

Credential Management & Access Control
Attendee Lead Capture
Contactless Payment
Staff Communication & Collaboration



Healthcare

Patient Tracking
Clinical Mobility
Asset Tracking & Locating
Pharmacy Management
At-home Care Support



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