

T40 Ultra

Smart Rugged Tablet Computer

Specialized Rugged Tablet for Correctional Facilities

Our T40 Ultra is a high-performance, rugged tablet specifically engineered for the unique demands of correctional facilities. It features a tamper-evident, cable-free design to maximize facility safety by eliminating potential weapons and unauthorized access. With a powerful hardware foundation, it offers an industry-leading lifecycle, launching on Android 16 with guaranteed upgradability to Android 20.

Key Features

Tamper Detection, Secure by Design

Any unauthorized attempt to dismantle the T40 Ultra is immediately flagged via real-time alerts. The active tamper sensor operates even when the device is powered off, ensuring 24/7 physical security that can only be bypassed by authorized personnel with specialized tools.

Granular Control for Absolute Compliance

Enforce strict environmental policies by restricting high-risk functions such as factory resets or external speaker usage. By limiting audio to headphone jacks and securing device settings, the T40 Ultra minimizes noise disturbances and prevents any potential misuse within correctional walls.

Seamless Multitasking with Flagship Power

Driven by the octa-core CPU, the T40 Ultra achieves a powerhouse AnTuTu score of approximately 670K. This ensures that educational tools, communication apps, and facility management software run concurrently without lag, providing a smooth user experience.

Video Calling Quality Enhancement

Facilitate high-quality family visitations and legal consultations with an 8MP autofocus front camera. It delivers stable, clear video even in low-light or high-movement scenarios, ensuring reliable face clarity for every call.

Applications

Inmate Services

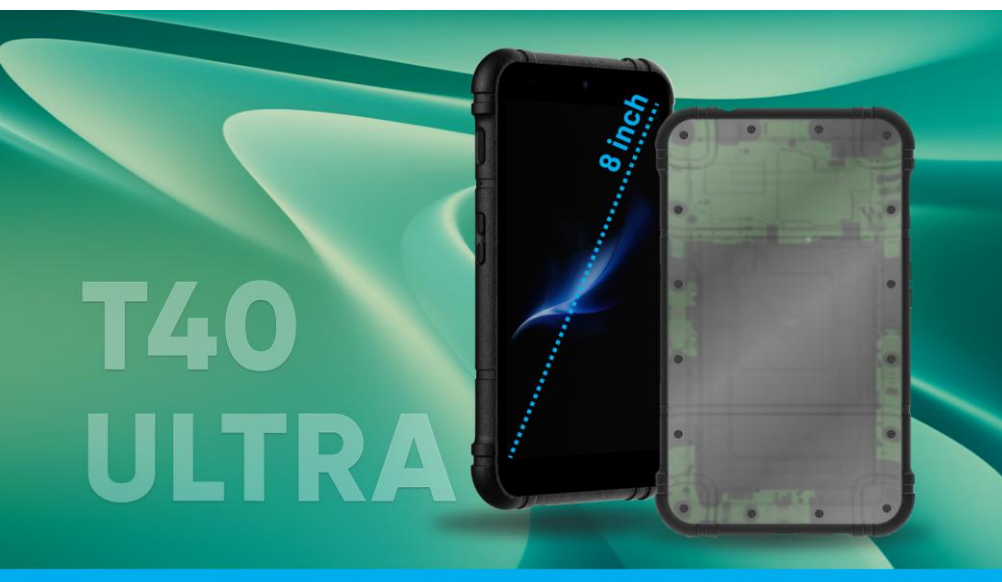
- Secure video calling & messaging
- E-book access & digital education
- Commissary ordering
- Self-service
- Entertainment (music, movies, games)

Facility & Information

- Digital notices & facility announcements
- Schedule & program access
- Legal document review & law library access

Security & Compliance

- Tamper-proof hardware monitoring
- Port access control & management
- RFID/NFC asset tracking



8-inch Correctional-Facility Tablet | Transparent rear case, built so the hardware cannot be dismantled or broken

Key Features

Long-Term Lifecycle Stability and Support (4+4 Years)

Secure your infrastructure with an 8-year guaranteed lifecycle—4 years of active supply followed by 4 years of dedicated support. With long-term OS compatibility spanning Android 16, 18, and 20, the T40 Ultra eliminates the need for frequent, costly hardware refreshes.

Enterprise Software Customization

T40 Ultra supports enterprise-level software customization and is fully integrated with BOS™ NEST, it enables organizations to define device behavior and control functionality at scale. Beyond standard tablet settings, T40 Ultra allows tailored software integration to meet industry-specific operational requirements.

Safe, Cable-free Wireless Charging

By adopting high-efficiency wireless charging, the T40 Ultra removes the need for physical cables that could be misused as potential weapons. This design also prevents common port damage, significantly reducing maintenance overhead and increasing device longevity.

Uninterrupted Management and Tracking, Even without Power

Integrated with Bluebird's BOS™ NEST and Device Finder, the T40 Ultra allows for centralized OS updates and security patches. Even if the device is turned off, BLE tracking remains active, ensuring every asset is accounted for and preventing loss within the facility.

Rugged Durability

Engineered to withstand the rigors of correctional facilities, the T40 Ultra meets IP68 dust and water resistance and MIL-STD-810H standards. With 2m drop protection, it minimizes accidental damage and maintenance needs, ensuring continuous operation where reliability is non-negotiable.

Display Security Enhancement

Featuring 2mm tempered glass, the T40 Ultra is designed to prevent glass fragments from becoming accessible or dangerous even if the screen is compromised.

Magnetic Pogo Pin Connector

By removing exposed USB ports, the T40 Ultra eliminates a primary target for tampering and reduces physical breakage. The proprietary magnetic interface ensures secure charging and data access while significantly lowering the total cost of ownership (TCO)

Memory Capacity Advantage

Equipped with 6GB RAM and 64GB UFS storage, the T40 Ultra ensures rapid app performance and stable system operation. This high-capacity memory provides ample headroom for complex future OS updates and expanding software requirements.

NFC & Built-in RFID Tag

Integrated NFC technology streamlines inmate ID management and reduces the risk of credential tampering. Additionally, the built-in RFID tag enables rapid, automated inventory and device tracking at both the box and individual unit levels.

Bigger, Smarter, Longer-lasting Power

The massive 8,000mAh battery delivers up to 12 hours of continuous use. A smart monitoring system tracks battery health in real-time, providing alerts for timely replacements to maximize long-term efficiency.

Reinforced 3.5mm Audio Port

To address a common failure point, the 3.5mm audio jack utilizes an independent FPCB (flexible printed circuit board) structure. This design prevents damage from reaching the main board and allows for simple, low-cost replacement of only the audio component during service.

T40 Ultra Specifications

Performance Characteristics

CPU	MediaTek MT8873 octa-core, up to 2.6GHz
Operating System	Android 16 Upgradeable to Android 18, 20
Memory	6GB LPDDR5X RAM / 64GB UFS 8GB LPDDR5X RAM / 128GB UFS (Optional)
Security	Tamper Detection Sensor Back Case Closed with 16 Screws that need special driver to open
Back Case	Transparent (Default) Non-Transparent (Optional)

Physical Characteristics

Dimensions (L x W x D)	223.9 x 135.9 x 17 mm
Flame Retardant	UL94 V-1 or Above Antimicrobial Coating
Weight	630g
Display	8.0 inch, HD (1280 x 800), 60Hz; 600nits
Imager Window	Tempered 2mm Glass
Touch panel	Multi-mode capacitive touch with bare or stylus, water droplet rejection; Glove Touch fingerprint resistant anti-smudge coating
Backlight	LED backlight
Power	Integrated Smart Battery 8,000mAh / 4.45V (typical) Battery replacement is supported by removing the battery cover using a special tool Support Battery-free operation (Optional) > Tablet stays on and powered even without a battery. > Stay powered even without a battery (when powered by USB-C or bottom/back IO)
Quick Charging	Supports 30W quick charge
Wireless Charging	Support 15W Wireless Charging (Qi) Wireless charging on the center rear of device
SIM / SAM	(only on WWAN SKUs) 1 Nano SIM / e-SIM Dual SIM/Dual Standby
Interface	Magnetic Pogo Pin Connector – Supports USB 2.0 (OTG) for data communication and charging (Optional) 1. Magnetic Pogo Pin Connector – Supports USB 2.0 (OTG) for data communication and charging 2. USB-C 2.0 OTG (Charging & Communication)
Notification	Audible tone; multi-color LEDs; (charging & Noti); vibration
Keypad & Button	Power button; volume up/down buttons; On-screen keypad and Enterprise Keyboard;
Voice and Audio	Two microphones with noise cancellation; vibrate alert; Single or Dual speakers; 95dB 3.5mm audio jack SWB audio

T40 Ultra Specifications

Wireless Wan Data and Voice Communications

Radio Frequency Band	(Optional -WWAN SKU) Worldwide 5G FR1: n1/2/3/5/7/8/12/13/14/20/25/26/28/29/30/38/39/40/41/48/66/70/71/75/76/77/78/79 4G: B1/2/3/4/5/7/8/9/12/13/14/17/18/19/20/25/26/28/29/30/32/34/38/39/40/41/42/43/48/53/66/68/70/71 3G: B1/2/4/5/6/8/9/19 2G: 850/900/1800/190 Dual SIM/Dual Standby, VoLTE, Gigabit LTE-A, 5G NR Sub-6 (NSA, SA), LTE/NR Carrier Aggregation, supports private networking (LTE/5G)
GPS	(Optional -WWAN SKU) GPS, GLONASS, Galileo, Beidou, QZSS, Dual-Band GNSS — concurrent L1/G1/E1/B1 (GPS/QZSS, GLO, GAL, BeiDou) + L5/E5a/BDSB2a (GPS/QZSS, GAL, BeiDou); a-GPS;

Wireless Lan

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/ax; 2x2 MU-MIMO; Wi-Fi™ 6E (802.11ax); Wi-Fi certified; Wi-Fi™ 6E Certified; Dual Band Simultaneous; IPv4, IPv6
Data Rates	6 GHz: 802.11ax — 20 MHz, 40 MHz, 80 MHz - up to 1200Mbps 5 GHz: 802.11a/n/ac/ax — 20 MHz, 40 MHz, 80 MHz - upto 1200Mbps 2.4 GHz: 802.11b/g/n/ax — 20 MHz up to 286.8 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, EAP-PWD; WWAN models only — EAP-SIM, EAP-AKA; WPA3 Enterprise 192-bit mode (GCMP256) - EAP-TLS; Enhanced Open (OWE)

Wireless PAN

Bluetooth	Class 2, Bluetooth v6.0 ; Bluetooth LE 2M PHY secondary BLE beaconing support
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Data Capture

Camera	Rear : N/A Front : 8MP autofocus
NFC	Antenna location : Rear Support for PN7160 NFC ISO 14443 Type A and B; Mifare, FeliCa and ISO 15693 cards, NFC Forum tags 2,3,4,5; Host Card Emulation, Contactless Payment Support, Google Smart Tap certified,
RFID	Built-in RFID Tag (Optional)
Biometrics	Fingerprint Reader on Power Button

Sensor

Light Sensor	Light Sensor
Motion Sensor	Accelerometer, Gyro, Geomagnetic, Pressure, Proximity Sensor

T40 Ultra Specifications

User Environment

Operating Temp	-4°F to 122°F/-20°C to 50°C
Storage Temp	-40°F to 158°F/-40°C to 70°C
Humidity	95% non-condensing
Drop Spec	Multiple 6.5 ft./2.0 m drops to concrete (-4°F to 122°F/-20°C to 50°C) per MIL STD 810H
Tumble Spec	1000 tumbles 1.6 ft./0.5 m tumbles
Sealing	IP68 dust/water resistant (up to 1.5m for 30 min)
Vibration	4G Peak Sine (5 Hz to 2 kHz); 0.04g2/Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis
Thermal Shock	-40°C to 70°C / -40°F to 158°F rapid transition. 10 cycles (1 cycle = 1.25 hours at -40°C and 1.25 hours at 70°C)
Electrostatic Discharge (ESD)	+/- 15 kV air discharge; +/- 8 kV contact; +/- 8 kV indirect

Accessory

In-box	Device, Battery
Additional	Magnetic Pogo to USB-C Female Gender Case Opening Tool PD Wall Power Supply USB C to C Cable Security Film <Planning> Wireless Charging Station Dual/Single Earphone 3.5mm 1/4 Slot charging Cradle 1/4 Slot charging & communication Cradle

Recommended Solution / Service

BOS™	BOS™ - Provisioning; - Staging; - Kiosk; - EMM; - Wi-Fine (WIFI analyze application)
Service	BluebirdCare™ BluebirdCare™ TSC (Technical & Software Care) Bluebird SecureCare™ (Android Security Support Service)
3'rd Party Solutions Integration	EMM : Airwatch, MobileIron, Mobicontrol, Mass360, XenMobile

Warranty

Warranty	Subject to the terms of Bluebird's hardware warranty statement, the T40 Ultra is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment.
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Android version is subject to change depending upon Qualcomm's roadmap.
Please be informed that Bluebird warranty program should be purchased to get Android upgrade service.
Specifications are subject to change upon manufacturer's condition.