

8-INCH RUGGED ANDROID TABLET

JMDT80 Rugged Android Tablet

Large-Screen Productivity for Field Service, Manufacturing & Warehouse Operations — Standard, Explosion-Proof & Healthcare Models



The Big Screen for Big Jobs — an 8" WUXGA IPS display with active stylus and glove/wet touch gives technicians and supervisors room to work.

Slim, Yet Battle-Tested — at just 11.6 mm thick and 500 g, the T80 is thinner than many rugged tablets while still meeting IP68 and 1.3 m drop specifications.

Hot-Swap Power, Zero Downtime — a 6,050 mAh hot-swappable battery keeps crews working through long field shifts without rebooting. An explosion-proof T80Ex and disinfectant-ready T80HC extend the same platform into specialty environments.

5G + Wi-Fi 6 + Precision Location — 5G, Wi-Fi 6, and GPS/GLONASS/BeiDou/Galileo + AGPS deliver the connectivity and location accuracy expected from enterprise-grade tablets.

From Handheld to Forklift Mount — a rich accessory set (single/quad charging bases, quad battery charger, stylus, wrist/neck/hand straps, leather cover) lets the same device serve office, field, vehicle, and warehouse workflows.

FIELD SERVICE

- > Work orders & digital SOPs
- > Asset inspection forms
- > Remote assistance video calls
- > Customer signature capture

MANUFACTURING

- > Shop-floor dashboards
- > Quality checklists

- › MES/WIP data entry
- › Machine maintenance logs

WAREHOUSE & LOGISTICS

- › Forklift-mounted inventory terminals
 - › Yard management
 - › Loading-dock verification
 - › Driver route tablets
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PRODUCT OVERVIEW

Field technicians, forklift operators, and manufacturing supervisors need more screen than a handheld can offer — but consumer tablets break too easily and lack the hot-swappable batteries and enterprise connectivity their workflows demand. Rugged enterprise tablets solve the durability problem, yet many competing models are heavy, under-powered, or missing cellular and GNSS. The JMDT80 closes that gap with an 8-inch rugged Android tablet that pairs a slim 11.6 mm, 500 g profile with IP68 sealing, a hot-swap 6,050 mAh battery, and 5G connectivity. It runs Android 15 (upgradable to Android 19), supports glove, wet, and active-stylus input, and can integrate SE-series imagers for barcode capture directly on the tablet. The T80Ex adds Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db intrinsic-safety certification (Certificate CCRI 25.7223X) for oil, gas, and chemical sites — a category where competing tablets are rare. The T80HC withstands repeated alcohol, quaternary salt, and peroxide disinfection for hospitals, laboratories, and clean rooms. For resellers, the T80 family opens doors that tablet competitors cannot follow — hazardous-area and clinical deployments — with private-label options and low MOQs.

Why Choose the JMDT80

Large-screen Android tablets built for the places consumer tablets cannot survive

8-Inch WUXGA for Big Jobs

The 8-inch 1920 x 1200 IPS display (WUXGA, 600 nits) gives technicians, supervisors, and forklift operators enough screen for schematics, dashboards, and work orders. Glove/wet-touch operation and active stylus support keep it usable in the field, on the shop floor, and in vehicles.

Slim and Rugged, Not a Contradiction

At 11.6 mm and 500 g, the T80 is thinner than many competing rugged tablets while still achieving IP68 sealing and 1.3 m drop resistance. That makes it easier to carry in the field and simpler to mount in tight forklift cabs without sacrificing protection.

Hot-Swap Battery for Continuous Operation

The 6,050 mAh battery supports hot swap, so crews can change batteries without closing apps or losing network sessions — critical for two-shift warehouses and long field-service days.

5G, Wi-Fi 6, and Multi-Constellation GNSS

5G cellular, Wi-Fi 6, and GPS/GLONASS/BeiDou/Galileo with AGPS give the tablets the connectivity and location precision needed for yard management, route tracking, and real-time field dispatch. eSIM support simplifies large-scale rollouts.

Active Stylus for Precision Annotation

Glove and wet-touch operation plus active stylus support let workers sign forms, mark up schematics, and annotate inspection photos in any environment. The stylus stores securely with optional accessories when not in use.

Integrated Scanning on a Large Screen

Optional SE4710, SE55, or CM60 scan engines turn the tablet into a barcode capture terminal for receiving, put-away, and asset tracking workflows — eliminating the need to carry a separate handheld scanner.

Accessories for Every Deployment Model

Single Charging Home Base, Quad Bay Charging Base, Quad Battery Charger, active stylus, wrist strap, neck strap, hand strap, and leather cover let the same tablet serve desk workers, field technicians, forklift drivers, and warehouse auditors.

Three Models for Standard, Hazardous, and Healthcare Environments

JMDT80 is the standard 8" IP68 rugged tablet for field, factory, and warehouse. **JMDT80Ex** adds Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db intrinsic-safety certification (Certificate CCRI 25.7223X) for oil, gas, chemical, and explosive dust environments. **JMDT80HC** features a disinfectant-resistant housing and display that withstands alcohol, quaternary salt, and peroxide cleaning protocols for hospitals, laboratories, and food-processing plants.

ENTERPRISE SPECS, PLAIN-ENGLISH VALUE

What the rugged specs mean for your daily operations

IP68 Rated Survives repeated wash-downs, immersion and industrial cleaning - not just splashes.	1.3 m Drop Survivor Repeated drops to concrete; tablet-safe handling in the field and on the production line.
Multi-Constellation GNSS Accurate location for field service, asset audits and yard operations, even under cover.	Android 15 to 19 Roadmap Multi-year security support keeps enterprise apps compatible and data protected.
8-inch WUXGA 600 nits + Stylus Readable in direct sunlight; precision annotation for drawings, checklists and signatures.	JMDT80HC Disinfectant-Ready Housing and display resist alcohol, quaternary salt and peroxide cleaning protocols - safe for hospitals, labs and food plants.

Technical Specifications

Specifications are based on the JMDT80 standard configuration. The T80Ex and T80HC share the same core platform with added certifications or materials. Premium options and regional SKUs may vary.

Model Variants	
JMDT80	Standard 8" rugged Android tablet; IP68; 1.3 m drop; -10°C to +50°C operating
JMDT80Ex	Intrinsically safe; Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db; Certificate CCRI 25.7223X; IP68
JMDT80HC	Healthcare/disinfectant-ready; resistant to alcohol, quaternary salt, and peroxide; IP68
Physical Characteristics	
Dimension	216 x 134 x 11.6 mm
Weight	500 g (with battery)
Button	Power, volume, physical scan button, programmable button, home button; optional home button with fingerprint
Display	
Size / Resolution	8" IPS, 1200 x 1920 (WUXGA), 600 nits
Touch	Multi-point capacitive, glove/wet hand operation, active stylus support
Performance	

Model Variants	
Operating System	Android 15 (upgradable to Android 19)
Processor	Octa-core, 2 x Cortex-A78 @ 2.4 GHz + 6 x Cortex-A55 @ 2.0 GHz
Memory	Standard: 6 GB RAM + 64 GB ROM; Premium: 8 GB RAM + 128 GB ROM
Connectivity	
WWAN	5G (optional 4G LTE)
WLAN	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6), 2x2 MIMO, IPv4/IPv6, fast roaming
Bluetooth	Bluetooth 5.2 (BLE)
GNSS	GPS + GLONASS + BeiDou + Galileo + AGPS
NFC	13.56 MHz, ISO14443A/B, ISO15693, up to 30 mm
SIM	1 nano-SIM + 1 MicroSD; eSIM optional
Data Capture	
Scanner Engine	Zebra SE4710 / SE55 / CM60
Camera	Rear: 13 MP PDAF (Premium: 48 MP PDAF); Front: 5 MP FF
User Environment	
Ingress Protection	IP68
Drop Spec	Multiple 1.3 m drops to concrete
Operating Temp	-10°C to +50°C
Storage Temp	-20°C to +60°C
Humidity	0% to 95% non-condensing
ESD	±15 kV air, ±8 kV contact
Audio / Sensors / Interfaces	
Audio	Dual superlinear speakers, dual microphones, vibrator, indicator light x 2
Sensors	Tri-accelerometer, light, distance, gyro, e-compass; optional fingerprint
I/O Ports	USB Type-C (OTG + charging + earphone), bottom Pogo Pin charging
Power	
Battery	3.8 V / 6,050 mAh; optional hot swap
Accessories	

Model Variants	
Standard	USB cable, 5 V / 2 A power adapter
Optional	Single Charging Home Base, Quad Bay Charging Base, Quad Battery Charger, active stylus, wrist strap, neck strap, hand strap, leather cover

