

MilDef T.A.D. Concept 3563



MilDef Tactical Android Device

A fully rugged Android-based mobile device for military operation. With its open architecture and integration capabilities the MilDef T.A.D. opens for several deployment scenarios. The unit are especially designed for military end user, where simplicity and robustness are key. The unit are ideal to be used for dismounted soldier solutions and can withstand the harshest conditions on the battlefield.

Guaranteed performance

All MilDef products come with comprehensive lifecycle sustainment support to ensure your equipment maintains peak performance for many missions to come. We also guarantee the availability of spare parts for 5 years after product end-of-life.

Features

- MediaTek MT8791
- 6" display
- Night Vision mode
- 5G connectivity (inactivable)
- Water submersible and dust resistant (IP67)

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Technical Specification

Platform	MediaTek MT8791 2x ARM Cortex-A78 @ 2,4 GHz 6x ARM Cortex-A55 @ 2 GHz
Display	6" HD+ LCD (720 x 1440) Anti reflection coating, Brightness: 500 nits (typical), Capacitive multi touch screen with glove/rain mode, Night vision mode

Software

Operating system	Android 13
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Memory

Storage	6 GB/64 GB (LPDDR4, uCMP) 256 GB SD Card
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Battery

Battery pack	5000 mAh, field replaceable
RTC Battery	Yes

Sound

Audio	HD Audio and Stereo Speakers 2x Microphone
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Communication

GNSS	GPS/GLONASS/Galileo
NFC	13.56 MHz ISO 1443 A/B, ISO 15693
PAN	Bluetooth 5.0
WLAN	802.11 a/b/g/n/ac/ax
WWAN	4G/LTE Network bands: B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B17, B18, B19, B20, B21, B23, B24, B25, B26, B27, B28, B29, B30, B32, B33, B34, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B48, B49, B66, B67, B68, B69, B70, B71 5G Network bands (SA/NSA): n1, n2, n3, n5, n7, n8, n12, n13, n14, n17, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n50, n51, n77, n78, n79
Ethernet	Dual simultaneous Ethernet via USB hub through USB-C port

Ports

Audio	3.5 mm Earphone jack
USB	USB 3.2 Gen 2 Type C with support of thumbscrew, Fast Charge/OTG RNDIS support
SIM	2x Nano SIM

Camera

Front	8 MP
Back	13 MP Auto focus

Security features

Hardware	TBD
Software	Verified boot, Military grade File- Base Encryption. More details available.

Power

DC-in	USB Type C with fast charge OTG output voltage: 5.05 V (default) OTG output voltage range: 4.425 ~ 5.825 V, 50 mV /step OTG output current: 1.3 A (default) OTG output current range: 0.5 A, 0,7 A, 1.1 A, 1.3 A, 1.8 A, 2.1 A, 2.4 A
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Charging available via pogo pins

Other

Sensors	Ambient, Gyroscope, Proximity, Accelerometer
Keypads	x2 Volume, x1 Power, x1 Night Vision, x2 Function buttons

Size & Weight

Dimensions (W x D x H)	TBD
Weight	TBD (~450 – 600 g / 0.99 – 1.32 lb.)

Environmental Specification

Shock	MIL-STD-810H, Method 516.8, Procedure IV Transit drop 1.6 m (5.25 ft)
Vibration	MIL-STD-810H, Method 514.8
IP	IP67 without I/O cover
High temperature operating	MIL-STD-810H, Method 501.5 Procedure II, +55 °C (+131 °F)
High temperature storage	MIL-STD-810H, Method 501.5, Procedure I, +70 °C (+158 °F)
Low temperature operating	MIL-STD-810H, Method 502.5, Procedure II (battery mode), -20 °C (-4 °F)
Low temperature storage	MIL-STD-810H, Method 502.5, Procedure I, -30 °C (-40 °F)

Standards

CE / FCC / UKCA	Yes / Yes / Yes
REACH/RoHS2.0	Yes / Yes
Environment	MIL-STD-810H, IP67

Warranty

Warranty	5 years
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Accessories

Cables, Chest mount for PALS/MOLLE equipment,
Comfortable Wearable Batteries

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