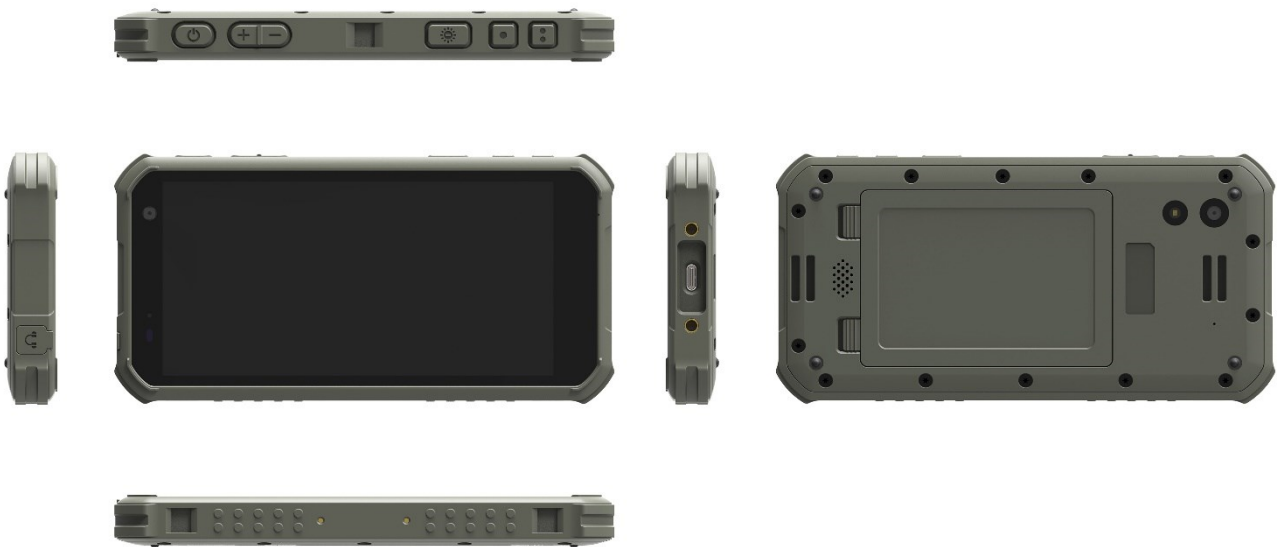


MilDef T.A.D.

Concept 3563



MilDef Tactical Android Device (T.A.D.)

A fully rugged Android-based mobile device for military operation. With its open architecture and integration capabilities the EUD. opens for several deployment scenarios. The units 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

- 6" display
- Low brightness mode
- 5G connectivity (inactivable)
- RNDIS Support
- 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, Low brightness mode, Gorilla Glass 3

Software

Operating system	Android 14
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Memory

RAM	8 GB
Storage	128 GB 2 TB micro SDxc Card

Battery

Battery pack	4000 mAh, field replaceable
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Sound

Audio	HD Audio and Stereo Speakers 2x Microphone
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Communication

GNSS	GPS/GLONASS/Galileo Dual band L1 and L5
PAN	Bluetooth 5.2 LE
WLAN	802.11 a/b/g/n/ac/ax
WWAN	4G/LTE Network bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B48, B66, B71 5G Network bands (SA/NSA): n1, n2, n3, n5, n7, n8, n12, n13, n14, n17, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n66, n77, n78, n79
Ethernet	RNDIS support, 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

SIM	1x Nano SIM, 1x eSIM
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Camera

Front	5 MP
Back	8 MP wide angle with auto focus

Security features

Software	Verified boot, Military grade File- Base 256bits AES end-to-end encryption. More details available.
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Power

DC-in	USB Type C with USB-PD 3.0 fast charge (5V, 9V, 12V) up to ~30W
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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

Charging available via pogo pins

Other

Sensors	Accelerometer, Ambient light, Proximity
Keypads	x2 Volume, x1 Power, x1 Silent button, x2 Function buttons

Size & Weight

Dimensions (W x D x H)	89 x 20 x 176 mm (3.50 x 0.79 x 6.93 in)
Weight	~450 – 600 g (0.99 – 1.32 lb.)

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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Environmental Specification

Altitude operating	MIL-STD-810H, Method 500.6, Procedure II 40,000 ft operating
Altitude storage	MIL-STD-810H, Method 500.6, Procedure I
High temperature operating	MIL-STD-810H, Method 501.7 Procedure II, +55 °C (+131 °F) (Battery mode)
High temperature storage	MIL-STD-810H, Method 501.7, Procedure I, +70 °C (+158 °F)
High temperature Standby to Operational	MIL-STD-810H, Method 501.7, Procedure III storage (non-operating) to operating (AC power)
Humidity	MIL-STD-810H, Method 507.6, Procedure II (Aggravated) Temp. cycles 20 °C (-4 °F) to 55 °C (131 °F); 90% RH
Low temperature operating	MIL-STD-810H, Method 502.7, Procedure II (cold start, battery mode), -20 °C (-4 °F)
Low temperature storage	MIL-STD-810H, Method 502.5, Procedure I, -30 °C (-22 °F)
Rain Blowing	MIL-STD-810H, Method 502.6, Procedure I 5.8in/hr., 70 mph wind, 30 min per surface
Rain Drip	MIL-STD-810H, Method 502.6, Procedure III, 15 min exposure, drip test
Sand and Dust	MIL-STD-810H, Method 510.7, Procedure I Blowing Dust (operating) °C (131 °F) Procedure II Blowing Sand (operating) Operating temp. 55
Temperature shock operating	MIL-STD-810H, Method 506.6, Procedure I, three-cycle shocks from 55 °C (158 °F) to -20 °C (-4 °F)
IP	IP67 without I/O cover
Shock Functional	MIL-STD-810H, Method 516.8, Procedure I 40g, 11ms Operating Transit drop 1.5 m (60 in)
Vibration	MIL-STD-810H, Method 514.8 Procedure I

