RUGGED HANDHELD DF10

Ultimate & Indestructible

- Powering by Mediatek i350 Processor (ARM Cortex-A53 Quad Core 2.0 GHz) to deliver fast productivity and to guarantee smooth multitasking capability

- LED Backlight Function Keys and Stylus pen to increase operation efficiency

- High resolution of 5.7" resistive touch panel to ensure a vivid visual experience

- Hot-swappable battery to extend the durable performance

- Rugged CNC milled aluminum case to withstand the most challenging environments

- Designed with MIL-STD-810H & IP67 compliant

- Upgraded with EMC solution of Optional MIL-STD-461G (Ground Navy and Ground Army) available

CE | FC | UKCA | | WEEE | REACH | RoHs 2.0 | MIL-STD-461G | MIL-STD-810H | IP67

Version: 1.0.5

RUGGED HANDHELD DF10

Standard Unit

Items	Descriptions
Operation System	– Android™ 10
Processor	– MEDIATEK i350 (MT8365) – ARM Cortex-A53 Quad Core 2.0 GHz

Graphic	– Built-In Display Controller
	  – Mali-G52 3EEE MC1
	  – OpenGL/ES 3.2/2.0/1.1

Display	– 5.7" (720 x 1280) LCD – Optical Bonding – 2 Point Resistive Touch Type – Brightness (min.~typ.): Std. 560~640 nits
Memory	– 3GB LPDDR4 RAM – 128 GB ROM (eMMC)
External Storage	– Micro SD Card Slot (Support SD/SDXC) – Support max. 128GB
Audio	– Built-in Mic – Mono Speaker
Sensor	– Magnetic – Accelerometer – Gyro – Proximity – Light

Communication	– MTK6631: WLAN, Bluetooth®, GNSS ANT x 1
	  – WLAN: IEEE 802.11 a/b/g/n/ac
	  – Bluetooth® 5.2
	  – GNSS: GPS/Glonass/Beidou/Galileo/QZSS

Buttons/ Function Keys	– Power (Left) – Volume Up/ Down (Right) – Back/ Home/ Menu (Front)
LED Indicators	– Charging/Fully charged (Orange/ Off)
Security	– ARM® TrustZone® (Built-in) Security
Camera	– Front camera 5MP x 1 (FF Type, f: 60cm) – Rear camera 13MP x 1 (FF Type, f: 40cm)
Case	– CNC milled Aluminum
Stylus Pen	– Available
Color	–Black
Environmental Specifications	– Operating Temperature: -20°C ~ +60°C (Battery Mode) – Storage Temperature: -40°C ~ +70°C
Dimensions	– 184 x 90 x 23 mm
Weight	– Approximately 440g

Certifications	
Certifications	– CE/FCC/UKCA/RCM – WEEE – REACH – RoHS2.0 – IP67 (without I/O caps) – MIL-STD-810H

Power	

Main Battery	– Battery Pack BDFA1A:
	  – Li-Ion 3.6V/3750mAh
	  – Hot Swappable

AC Adapter	– Rugged 60W USB-C AC Adapter
	  – AC input: 100V-240V 50/60Hz
	  – Output voltages: 20V/3A
	– Support MIL-STD-461G Ground Army.

I/O Interfaces	

Bottom	– USB2.0 OTG Type C
	  – USB Type C: Amphenol MUSBR-M5C1-M0
	  – Support BC1.2 (5V/1.5A)/PD(9V/3A)
	
	– Optional Sealed Fischer conn.
	  Choose 1 out of 5 signals as below
	  – USB2.0 Host
	  – MLAN (10/100 PHY)
	  – RS232 (USB to COM)
	  – VGA
	  – Audio

Optional Devices

Items	Descriptions
Mil. Fischer Connectors	– USB2.0 (Host), MLAN, RS232, VGA, Audio
Invisible mode On/Off	– Available
2nd Battery Pack	– Battery Pack: – Li-Ion 3.6V/8100mAh (Under Development)
Protection Film	– Available
Certifications	– MIL-STD-461G (Ground Navy and Ground Army)