

RUGGED HANDHELD

DH8



- Prior choice of the one-handed rugged device
- Powerful performance with Intel® Atom® x6211 Processor
- LED Backlight Keypad with two Programmable keys through System Manager
- User-friendly Interface Design with a Touch Screen and Magnetic Stylus Pen to enhance operation efficiency
- Hot-swappable dual battery feature to extend the durability
- Rugged CNC milled aluminum case to withstand harsh and extreme environment
- Designed with MIL-STD-810H & IP65 compliant
- Upgraded with EMC solution of Optional MIL-STD-461G (Ground Navy and Ground Army) available



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Standard Unit

Items	Descriptions
Platform	– Intel® Elkhart Lake Platform
Operation System	– Windows10
Processor	– Intel Atom® x6211E Processor – 1.5M Cache, up to 3GHz
Graphic	– Intel® UHD Graphics
Display	– 5.7" (1280 x 720) LCD (MIPI interface) – Optical Bonding – Resistive Multi-Touch Screen (USB Interface) – Brightness (min.~typ.): Std. 560~640 nits
Memory	– DDR4 SO-DIMM x 1 – 8GB/16GB/32GB DDR4
Storage	– M.2 2242 SATAIII TLC SSD – 256GB/ 512GB/ 1TB
Audio	– HD Audio Codec and Amplifier – Stereo Speaker
Sensor	– Ambient Light Sensor
Keypad	– 1st Layer: Fn Lock, A1*, A2*, Windows, Rotation, Input Lock, Power – 2nd Layer: Esc, F2, Enter, →, ↓ – Backlight ** Programmable keys, only settable by the Administrator Account
LED Indicators	– Power/S3 (Green/Flashing Green) – Charge/Battery low (Orange/ Flashing Orange)
Security	– Password Security (Administrator Password, User Password) – Kensington Lock Slot – TPM2.0
Case	– CNC milled Aluminum
Stylus Pen	– Available
Color	– NATO Green
Environmental Specifications	– Operating Temperature: Std.: -20°C ~ +60°C* *At +60°C, the temperature protection is activated and auto-adjusts the LCD brightness to below 300 nits. – Storage Temperature: -40°C ~ +70°C
Dimensions	– 201 x 99 x 44.5 mm
Weight	– Approximately 905g
Certifications	– CE/FCC/UKCA/RCM – WEEE – REACH – RoHS2.0 – IP65 – MIL-STD-810H (1.5M drop test)

Power	
Main Battery	– Battery Pack BDH82A: – Li-Ion 7.2V/2700mAh x 2 – Hot Swappable
AC Adapter	– Rugged 60W USB-C AC Adapter – AC input: 100V-240V 50/60Hz – Output voltages: 20V/3A – Support G.A.

I/O Interfaces	
Left	– Optional Fischer I/O Choose 3 out of 4 signals as below Each function can only be chosen once. – Audio – GLAN – USB2.0 – **COM (RS232/RS422/RS485) **BIOS selectable: RS232/RS422/RS485, **Default: RS232.
Right	– USB3.2 Gen. 2 Type C
Bottom	– POGO Conn. (16 pin) x 1 Signals include: USB3.2 Gen.2 x1, USB2.0 x 1, 5V, Va 19V, GND
Internal	– Mini PCIe full-size card x 1 – m.2 E key (for AX210) x 1 – USB 2.0 x 10 – USB 3.2 Gen.2 x 3

Optional Devices

Items	Descriptions
Memory	– DDR4 SO-DIMM x 1 – 8GB/16GB/32GB DDR4
Storage	– M.2 2242 SATAIII TLC SSD – 256GB/ 512GB/ 1TB
WLAN/ Bluetooth®	– Intel® Wi-Fi 6E AX210 – Wi-Fi 4, 5, 6 – Bluetooth®5.3 – Interface: PCIe (WiFi)/ USB (BT) – Form Factor: M.2 2230
GNSS	– Ublox Neo-M8N GPS/GLONASS/Galileo/Beidou – Interface: USB
Digital Mic	– Embedded Digital Mic
Mil. Fischer Connectors	– Audio, GLAN, USB2.0, COM
Invisible mode On/Off	– Available
Wide Temp. -30°C ~ +60°C	– Available* *At +60°C, the temperature protection is activated and auto-adjusts the LCD brightness to below 300 nits.
Protection Film	– Available
Certifications	– MIL-STD-461G (Ground Navy and Ground Army) – IP67
Battery Charger	– Multi Battery Charger MCDH for Battery: 7.2V/2700mAh Li-Ion BDH82A