MilDef DH8

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A fully rugged handheld device, were performance and long-lasting operation in demanding environments are key. MilDef DH8 are made to last longer and to be supported long after your ordinary commercial handheld unit have reached its end of life.

Customizable

Are you looking for features and functions beyond the standard solutions offered by large commercial manufacturers? MilDef products are designed to enable customization to your specific program requirements e.g., connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you to find a solution that meets your requirements.

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

- Intel® Atom™ x6211E
- Up to 32 GB RAM
- 5.7" display
- Resistive multitouch
- Docking connector
- Water and dust resistant (IP65)
- Hot swappable batteries

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Technical Specification

CPU	Intel® Atom™ x6211E (1.5M Cache, up to 3 GHz)
Display	5.7" HD LCD (1280 x 720) Brightness: 720 nits (typical) Resistive multi touch
Case	CNC milled Aluminum

Software

Operating system	Windows 10, Windows 11

Memory

RAM	Up to 32 GB DDR4 (1x SO-DIMM slot)
Storage	1 x m.2 2242 SATA III SSD 256GB/512GB/1TB

Graphics

GPU	Intel® UHD Graphics

Battery

Battery	2x 7,2V / 2500 mAh Li-Ion (Hot swappable)

Sound

Audio	HD Audio and Stereo Speakers

Security & Management

TPM	TPM2.0
Secure Boot	Supported

Interfaces

Wi-Fi/Bluetooth	Intel® AX2100 Wi-Fi 6 *optional* Bluetooth 5.2 *optional*
GNSS	Ublox Neo-M9N *optional* (GPS/GLONASS/Galileo/BeiDou/QZSS)
USB	1x USB 3.2 Gen 2 Type C (Data transfer, Display Port, Power Delivery 3.0)
Docking port	Yes, POGO-pin
Mic	Embedded Digital Mic *optional*
Keypad	1st layer: FN Lock, A1, A2, WIN, Rotation, Input Lock, Power 2nd layer: ESC, F2, Enter, →, ↓

Optional:

Military Fischer Connectors	Up to three features listed below - Audio - Serial (RS232/RS422/RS485)* - GLAN - USB2.0

*Only one serial protocol can be used at a time. Selectable via BIOS.

Technical Specification (cont.)

Size & Weight

Dimensions with bumpers (W x D x H)	201 x 99 x 44.5 mm (7.9 x 3.9 x 1.75 inch)
Weight	~ 890 g (1.96 lbs.)

Temperature Range

Operational DC	-20°C to +60°C (-4°F to +140°F) -30°C to +60°C (-22°F to +140°F) **optional**
Storage	-40°C to +71° (-40°F to +160°F)

Power

Operating time	8 hours
DC-in	12~32V 3.0A
AC Adapter	60W USB-C AC Adapter (AC-in 100-240V 50/60Hz, DC-out: 20V/3A)

Common options

Wi-Fi 6 / Bluetooth	Military Fischer connectors
GNSS	Protection Film
Embedded digital Mic	MIL-STD-461G Ground Army
Invisible mode	Wide temperature -30°C +60°C
IP67	

Standards

CE / FCC / UKCA	Yes / Yes / Yes
REACH / RoHS2.0	Yes / Yes
Environment	MIL-STD-810H IP65 IP67 *optional*
EMC/EMI	MIL-STD-461G Ground Navy MIL-STD-461G Ground Army *optional*

Warranty

Warranty	5 years

Customization

Need anything not included in the data sheet? MilDef products are designed to enable customization to your specific program requirements. Please contact your MilDef sales team member to find the best solution for your requirements.

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