

MilDef DH8



5.7" rugged End User Device

A fully rugged handheld device where performance and long-lasting operation in demanding environments are key. The MilDef DH8 is made to last longer and to be supported long after your ordinary commercial handheld device has 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 / IP67)
- Hot swappable batteries

Technical Specification

Case	CNC milled aluminum
CPU	Intel® Atom™ x6211E
Display	5.7" HD (1280 x 720) Brightness: 640 nits (typical)
Touch screen	Resistive multi touch

Software

Operating system	Windows 10 LTSC Windows 11 LTSC
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Memory

RAM	Up to 32 GB DDR4
Storage	1x m.2 2242 SATA III SSD 256 GB / 512 GB / 1 TB

Graphics

GPU	Intel® UHD Graphics
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Battery

Primary	2x 7.2 V / 2,700 mAh Li-Ion (Hot swappable)
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Sound

Audio	HD Audio and stereo speaker
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Security & Management

TPM	TPM2.0
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Interfaces

USB	1x USB 3.2 Gen 2 Type C
Wireless	IEEE 802.11 ax (optional) Bluetooth 5.3 (optional) GNSS (optional)
Optional interfaces via Fischer Core connector	Up to three, non-repeatable out of: USB 2.0 1000BASE-T Serial COM Audio
Function buttons	Commands that can be executed: ESC, F2, ENTER, Arrow right, Arrow down, Windows button, Rotate display, Input Lock, FN lock. 2x Programmable buttons
Docking port	Yes

Size & Weight

Dimensions	201 x 99 x 44.5 mm (7.9 x 3.9 x 1.75 in)
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Weight	~ 905 g (1.99 lbs.) (depending on configuration)
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Temperature range

Operating ¹	-20 °C to +60 °C (-4 °F to +140 °F) -30 °C to +60 °C (-4 °F to +140 °F) (optional)
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Storage	-40 °C to +70 °C (-40°F to +158°F)
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Power

Power input	Power Delivery 3.0 via USB Type C (20 V / 3A)
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AC Adapter	Please see the accessories section
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Reliability

MTBF	49 028 hours
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MTTR	12,1197 minutes
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Standards

CE / FCC / UKCA	Yes / Yes / Yes
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REACH / RoHS	Yes / Yes
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Environment	MIL-STD-810H IP65 IP67 (optional)
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EMC/EMI	MIL-STD-461G Ground Navy (optional) MIL-STD-461G Ground Army (optional)
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Warranty

Warranty	5 years
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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.

¹⁾ Achieved with DC-in connected

Accessories & Options**AC/DC Adapters**

Rugged AC Adapter 60W USB-C AC Adapter (EU/UK/US)	110/220 V _{AC} (100~240 V _{AC}), 50/60 Hz
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Rugged AC Adapter 60W USB-C AC Adapter Ground Army (EU/UK/US)	110/220 V _{AC} (100~240 V _{AC}), 50/60 Hz
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Mounting & Transport

Docking and mounting solutions	Please get in contact with your MilDef sales office for options
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Bag / Backpack	Please get in contact with your MilDef sales office for additional options.
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