

MilDef DS16P



Ultra Rugged 10.1" Tablet

MilDef DS16P is the third generation of the DS-series, and it is based on a powerful platform that makes it accountable for modern mobile computing, with features that enhance AI, graphics and power efficiency.

Armored to withstand the battlefield demands of survivability and performance in harsh environments and electromagnetic spectrum makes the DS16P unstoppable.

A new user-removable SSD storage design and a full function Thunderbolt™ 4 port are among some of the new features that comes with the latest generation of MilDef DS-series.

Flexible and 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

- High-performance Intel® Core™ Ultra 7 processor
- User-removable storage
- Full function Thunderbolt™ 4
- 5 configurable keys
- MIL-STD-810
- MIL-STD-461
- Circular Fischer Connectors

Technical Specification

Audio	HD Audio and Mono Speaker
Buttons	Function buttons x 8 Configurable buttons x 5 Power button x 1
Case	Black or NATO green magnesium alloy
Computer processor	Intel® Core™ Ultra 7 155U up to 4.8 Ghz, 12 MB Cache, vPro®
Cooling system	Fan design
Display	10.1" WUXGA LCD (1920 x 1200) Optical bonding Brightness minimum 1200 nits Capacitive multi-touch screen Resistive multi-touch optional
Graphics	Intel® UHD Graphics
Memory	8/16/32 GB DDR5 x 2
Storage	Sealed 256 GB, 512 GB, 1 TB M.2 2280 SSD, user-removable

Software

Operating system	Windows 11 IoT
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Interfaces

Left side	Thunderbolt™ 4 Type-C x 1 USB 3.2 Gen 2 Type-A x 1 Ethernet 2.5G BASE-T RJ45 x 1 Nano SIM Card Slot x 1 optional Fischer Interfaces: optional - Audio In/Out x 1 Ethernet 2.5G BASE-T x 1 - Serial x 1 or 2 USB 2.0 x 1
Right side	DC-in Fisher Jack x 1 Smart Card Reader x 1 optional
Bottom	Docking Port
Rear	Battery slot x 1 Storage slot x 1 Micro SD Card Slot x 1

Power

Battery	Battery Pack Li-polymer 11.61 V 5000 mAh
Input power	- Fast Charging Type-C 45W ~ 100W - Fischer 3-pin DC-in 19 V Fischer 3-pin DC-in 12~32 V with surge protector optional

Size and weight

Dimensions (W x D x H)	286 x 193 x 32 mm (11.3 x 7.6 x 1.3 in)
Weight	~1.6 kg (3.3 lbs.)

Temperature range

Operational (DC-in)	-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 +70°C (-40°F to +160°F)

Standards

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

Warranty

Warranty	5 years
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Wireless and Communications

Bluetooth®	Bluetooth® 5.3 optional
GNSS	GPS, GLONASS, Galileo, Beidou optional
LAN	Ethernet 2.5G BASE-T Intel® I226LM 2nd Ethernet 2.5G BASE-T Intel® I226LM optional
WLAN	Intel® Wi-Fi 6E AX210 (802.11ax) optional

Accessories

AC/DC Adapters, single battery charger, docking station, mounting solutions

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.