

MilDef DK13



Rugged 12" tablet

The MilDef DK13 offers a rugged 12" tablet with a powerful Intel® Core™ i7 processor and resistive touch display. It has been designed for tactical military environments where reliability and performance are key.

The DK13 is ideally suited for mounted and dismounted applications requiring real-time situational awareness and forward-deployed C2 Battle Management capability. Vehicle mounting kits and wired/wireless dismountable communication options are available.

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® Core™ i7-7600
- 16 GB RAM
- 12.1" Resistive Single-Touch display
- Removable SSD & battery
- Programmable Function keys
- Docking connector
- Wi-Fi, Bluetooth, & GNSS (optional)
- Magnesium Case
- Up to 9 hours battery life
- MIL-STD-810H
- Ground Army (optional)
- Water and dust resistant (IP65)

Technical Specification

Case	Magnesium alloy (NATO Green or Black)
CPU	Intel® Core™ i7-7600U Processor
Display	12.1" XGA (1024 x 768) Brightness: 650 nits (Typical)
Touch screen	Single-Touch
Software	
Operating system	Windows 10
Memory	
RAM	Up to 32 GB DDR4 2133 MHz
Storage	2.5" SATAIII SSD (removable)
Graphics	
GPU	Intel® UHD Graphics P620 (integrated)
Battery	
Primary	10.8 V / 9125 mAh Li-Ion (standard)
Secondary	10.8 V / 8700 mAh Li-Ion (optional)
Sound	
Audio	HD Audio and stereo speaker
Security & Management	
TPM	TPM 2.0 (optional)
Other	Intel vPro Support Kensington lock slot
Interfaces	
Ethernet	1x Ethernet 1000Base-T via RJ45
Wi-Fi/Bluetooth	802.11 a/b/g/n/ac (optional) Bluetooth 5.0 (optional)
GNSS	Ublox Neo-M8N GPS/GLONASS/Galileo/Beidou (optional)
USB	2x USB 3.1 Gen 2 Type A
Video out	VGA signal via docking port
Multi-bay	1x Express Card slot 1x SD Card slot 1x SIM Card slot
Function buttons	Commands that can be executed F1-F4, -, +, TAB, ESC, CTRL, ALT, DEL, ENTER, Arrow up, Arrow down, Brightness up, Brightness down. Other buttons: Function lock, Track Pointer, Left mouse button, Backlight function

Docking port Yes

Serial 1x COM via DB9

Size & WeightDimensions 310 x 255 x 54 mm
(12.2 x 10.0 x 2.1 in)Weight ~ 2.8 kg (6.17 lbs.)
(depending on configuration)**Temperature range**Operating¹ -20 °C to +50 °C (-4 °F to +122 °F)
-30 °C to +50 °C (-22 F to +122 °F)
(optional)

Storage -40 °C to +70 °C (-40°F to +158°F)

PowerPower input 12- 32 V_{DC} w. surge protector

AC Adapter Please see the accessories section

Reliability

MTBF 63 253 hours

MTTR 12,675 minutes

Standards

CE / FCC / UKCA Yes / Yes / Yes

REACH / RoHS Yes / Yes

Environment MIL-STD-810H
IP65EMC/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.

¹ Achieved with DC-in connected

Accessories & Options**AC/DC Adapters**

AC Adapter 90W (EU/UK/US) - Indoor use	110/220 VAC (100~240 VAC), 50/60 Hz
AC Adapter 90W Ground Army (EU/UK/US) - Indoor use	110/220 VAC (100~240 VAC), 50/60 Hz
ACS90 - Rugged AC adapter 90W (IP65, MIL-STD-810G, MIL-STD-461G)	110/220 VAC (100~240 VAC), 50/60 Hz or 400Hz

Chargers

Multi battery charger	Charger for charging up to two primary batteries and one secondary battery.
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Mounting & Transport

Docking and mounting solutions	Please get in contact with your MilDef sales office for options
Bag / Backpack	Carrying bag is included but please get in contact with your MilDef sales office for additional options.