

MilDef DS13

Data sheet



MilDef DS13, a powerful rugged tablet in a slim factor

You shouldn't have to compromise with the DS13 to get a slimmed, powerful and fully rugged tablet.

Keeping true to the MilDef brand the MilDef DS13 puts emphasis on low weight, a powerful Intel® Core™ i7 CPU and a rugged design.

The tablet features a high-brightness 10,1" resistive multi-touch display, CNC milled lightweight aluminum chassis and a wide selection of customization options that ranges all from military connectors to wireless connectivity options.

When it gets tough out in the field you don't have to worry, the MilDef DS13 is IP65 rated as well as certified to both MIL-STD-810 and MIL-STD-461 standards.

Customizable

Are you looking for features and functions beyond the standard solution? The MilDef DS13 offers customizable solution like change of connectors, bar-code reader, Night Vision Display mode and many other features and functions. Contact your nearest MilDef Sales Office with your request.

Guaranteed performance

Products supplied by MilDef are always provided with lifetime support to ensure that the equipment maintains peak performance over many future missions.

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Technical Specification

CPU	Intel® Core™ i7-7Y75 (4M Cache, up to 3.60GHz)
RAM	16GB LPDDR3 1866 MHz
Graphic	Intel® HD Graphics 615
Storage	Removable mSATA III SSD 128GB/256GB/512GB
Display	10.1" WUXGA (1920 x 1200), Resistive Multi-Touch Screen, 800 nits
Sound	HD Audio and mono speakers
Sensor	Light sensor
Buttons (front)	Power button 13 x Function keys with LED Backlight
Interfaces (top)	1 x Micro SD
Interfaces (left)	1 x Mini Display Port 2 x USB 3.1 Optional: 1 x USB 3.1, 1 x Giga LAN Optional: Fischer I/O (see standard options)
Interfaces (bottom)	2 x Ext ANT Signals 1 x Docking port, with following signals: 1 x USB3.1, 1 x Display Port, 1 x Detect Pin, Power
Interfaces (internal)	1 x mSATA SSD 1 x Mini PCIe full-sized 1 x Audio/ Headset 1 x USB 3.0 2 x USB 2.0
Primary Battery	11.1V / 4200 mAh Li-Ion battery.
Power Input	DC 12- 32V with Built-in Vehicle adapter
Case	CNC milled Aluminum (Green or black)
Dimensions (W x D x H)	280 x 186 x 20 mm w/o bumpers (11.0 x 7.3 x 0.8 in) 286 x 193 x 27 mm w/ bumpers (11.3 x 7.6 x 1.1 in)
Weight	1.39 kg with battery (3.06lbs)
Certifications	CE, FCC, WEEE, REACH, RoHS 2.0, IP65, MIL-STD-810G* and MIL-STD-461G*
Operating System	Windows 10

*Contact MilDef for full specifications of MIL-STD-810G and MIL-STD-461G

MIL-STD-810G

	Operating	Storage
Altitude Method 500.6, (Procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)
Temperature Method 501.6 & 502.6, (Procedure I, II)	-20°C to 60°C (-4°F to 140°F)	-40°C to 71°C (-40°F to 160°F)
Temp Shock Method 503.6 (Procedure I-C)	-	-40°C~71°C (-40°F ~ 160°F)
Shock Method 516.6, 516.7 (Procedure I and IV)	40g, 11ms, terminal-peak sawtooth shock pulse	122cm (48inch) 26 drops
Vibration Method 514.7 (Category 20 & 24)	Ground Vehicles- ground mobile, Composite wheeled vehicle vibration exposures	General minimal integrity
Rain Method 506.6, (Procedure II)	276 kPa, 5 surfaces, 40 min/surface	-
Humidity Method 507.6, (Procedure II Aggravated)	-	Ten 24 h test cycles
Salt Fog Method 509.6	-	Salt 5 ± 1 %, 24 h wet + 24 h dry/cycle. Total 2 cycles / 96 h

Standard options

Communications	GNSS (GPS/GLONASS) WLAN (a/b/g/n/ac) / Bluetooth 5.0 1 st GLAN, 2 nd GLAN Card
Additional Connectivity	Optional Fischer Mil connectors (Max 4 options can be picked) USB 2.0, Serial (2 x RS232 or 1 x RS232 + 1 x RS422), Giga LAN, Audio, Sealed headset (Line-out/Mic-in combo)
Display	Invisible mode Capacitive multi-touch screen with brightness 1000 nits
Security	TPM2.0
Extended low temp.	-30°C (-22°F) operating
Power	Double capacity battery – 11.1V / 8400 mAh Lithium-Ion battery
Sensors	Accelerometer, magnetometer and gyroscope
Accessories	Adjustable mount Docklite Docking station Single battery charger Vehicle adapters

