MilDef DK10

Run demanding apps in demanding environments

With a protection rating of IP65, you don't have to think twice about bringing the MilDef DK10 into the thick of it. Its 12.1" XGA screen, compact form factor and Intel i7 CPU make it ideal for both mounted and outdoor use. And with a range of contacts, 120-pin connector and endless custom configuration options, there's no shortage of ways to get hooked up.

Built to take a beating
The DK10 is built from the ground up to withstand the harshest conditions over the long haul. It has a magnesium alloy casing and an internal climate processor for operations down to -20 °C. It's one of the toughest tablets available and gives you a nearly unlimited range of conditions to operate in.

Guaranteed performance
Our products always come with lifetime support to ensure your equipment maintains peak performance for many missions to come.

MilDef DK10 is built for such military applications as
- Vehicle mounting (wheel or band)
- Naval applications (also on deck)
- Outdoor environments, all year around

MilDef DK10 works
- Equally as well mounted in a docking station as in the field
- Fulfils standards such as MIL-STD-810G, IP65 and MIL-STD-461F

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Technical Specification

CPU	Intel Sandy Bridge i7-2610UE
RAM	Max. 8 GB, DDR-III 1333 MHz
Graphic	Intel HD Graphics 3000
Storage	Removable 120 GB – 500 GB SATA HDD / SSD
Display	12.1″ LCD TFT, 1024 x 768, B/L 500 nits, optical bonding, single touch panel, resistive touch, USB interface Polarized panel optional
Sound	HD Audio and stero speakers
Buttons (front)	4 function keys (F1-F4) Power button Trackpoint and left mouse button Minus (-) & plus (+) sign Arrow keys (left and right) Funktional backlight
Interfaces (right)	1 x DC in 12-32 V 1 x Serial (RS232/422/485) 1 x RF device switch
Interfaces (left)	1 x USB 2.0 1 x USB 3.0 ** 1 x RJ45 LAN (10/100/1000 Mbps) 1 x Multibay (ExpressCard slot + SIM card slot + SD Card slot)
Interfaces (bottom)	1 x special connector (for dockinglist or special cable, output: total 120 pins)
Interfaces (internal)	2 x mini PCIe full-sized 1 x mini PCIe half-sized 4 x Serial 5 x USB 2.0
Interfaces (rear)	Optional 2nd battery connector
Primary Battery	11.1V / 7200 mAh Lithium-Ion battery. Primary battery for operating > 2 h alternative as UPS in vehicle mounting
Power Input	DC 12- 32V with surge protector Built-in Vehicle adapter 12-32 V
Case	Magnesium
Dimensions	310 x 255 x 54 mm (W x D x H)
Weight	2,5 kg
Certifications	CE, FCC, WEEE, REACH, IP65, MIL-STD-810G* and MIL-STD-461F*
Operating System	Windows 7, Windows 8 Linux – depending on configuration

MIL-STD-810G	Operating	Storage
Altitude Method 500.5, (Procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)
Temperature Method 501.5 & 502.5, (Procedure I, II)	-20 °C to 50 °C (-4 °F to 122 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temp Shock Method 503.5 (Procedure I-A)	-20 °C to 60 °C (-4 °F to 140 °F)	-
Shock Method 516.6, (Procedure I)	40 G, 11 ms 76 cm (26 drops)	40 G, 11 ms 76 cm (26 drops)
Vibration Method 514.6 (Procedure I, Category 1, 14 & 20)	OH58A/C Helicopter and Composit wheeled & tracked vehicle vibration	-
Rain Method 506.5, (Procedure II)	276 kPa, 5 Surfaces, 40 min/Surface	-
Humidity Method 507.5, (Procedure II Aggravated)	-	Ten 24 h test cycles
Salt Fog Method 509.5, (Procedure I)	-	Salt 5 ± 1 %, 24 h wet + 24 h dry/cycle. Total 2 cycles / 96 h

Standard Options

Storage	2.5" Solid State Drive up to 500GB
Communications	GPS GSM/GPRS, HSDPA WLAN (a/g/n) / Bluetooth Modem v.90
Additional Connectivity	1 x PCMCIA (PC card) Docklite Extra RS232/422/485
Docking options	Stand for vehicle mounting
Power	Secondary battery (7200 mAH Lithium-Ion rechargeable)
Display	Night Vision On/Off – Adjustable brightness down to 0 GFG-Display
Security	TPM1.2

*Contact MilDef for full specifications of MIL-STD-810G and MIL-STD-461F
**Non-native USB 3.0

DuraTech USA Inc.
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