

# Comparison MilDef RK10 – RK12



## MilDef RK10

## MilDef RK12



<b>CPU</b>	Intel® Core™ i7-2610UE	Intel® Core™ i7-6822EQ
<b>RAM</b>	Up to 16 GB DDR3 1333 MHz	Up to 32 GB DDR4
<b>Graphic</b>	Intel® HD Graphics 3000	Intel® HD Graphics 530
<b>Storage</b>	2.5" Removable SATA III HDD / SSD	2.5" Removable SATA III HDD / SSD
<b>Display</b>	15" XGA (1024 x 768) LED Backlight 500 nits Optical Bonding	15" XGA (1024 x 768) LED Backlight 500 nits Optical Bonding (1000 nits optional)
<b>Sound</b>	HD Audio and Stereo Speakers	HD Audio and Stereo Speakers
<b>Keyboard/mouse</b>	87-Keyboard, Resistive touchpad with single touch	83-Backlit Keyboard, Resistive touchpad with single touch
<b>Interfaces (right)</b>	1 x Flex Bay 1 x HDD Bay	1 x Flex Bay 1 x HDD Bay
<b>Interfaces (left)</b>	1 x PS/2 2 x USB 3.0** 1 x USB 2.0 (USB battery charging) 1 x IEEE1394a (Firewire) 3 x 3.5mm (Mic,Line-in/earphone) 1 x RJ45 GLAN 1 x Express card (PCIe)	1 x PS/2 2 x USB 3.0 1 x USB 2.0 1 x USB 2.0 (USB battery charging) 3 x 3.5mm (Mic, Line-in/earphone) 1 x RJ45 GLAN 1 x Express card (PCIe)
<b>Interfaces (rear)</b>	1 x MIL DC in 1 x DVI 1 x RGB DB15 1 x Printer Port DB12 2 x Serial Port DB9 1 x Docking Port (80 pin)	1 x MIL DC in 1 x DVI 1 x RGB DB15 1 x Display Port 2 x Serial Port DB9 1 x Docking Port (80 pin)
<b>Interfaces (internal)</b>	4 x internal mini PCIe ( 3 Full / 1 half size) 4 x Internal USB 2.0 4 x Serial (RS232, RS422, RS485/TTL)	3 x Mini PCIe 4 x USB 2.0 1 x M.2 2230 4 x Serial (RS232, RS422, RS485/TTL)
<b>Primary Battery</b>	Removable 10.8 V 8700 mAh Lithium-Ion primary battery	Removable 10.8 V 8700 mAh Lithium-Ion primary battery



ISO 9001: Certificate No. FM68727  
ISO 14001: Certificate No. EM5554313



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<b>Power Input</b>	DC-in 19 V Optional 12-32V with Built in Vehicle adapter & Surge Protector	DC-in 19 V Optional 12-32V with Built in Vehicle adapter & Surge Protector
<b>Case</b>	Magnesium alloy	Magnesium alloy
<b>Dimensions</b> (W x D x H)	353 x 301 x 79 mm (with bumpers) (13.8 x 11.8 x 3.1 Inches)	352 x 294 x 79 mm (with bumpers) (13.8 x 11.6 x 3.1 Inches)
<b>Weight</b>	5.5 kg (depending on configuration)	5.5 kg (depending on configuration)
<b>Certifications</b>	CE, FCC, WHQL, WEEE, REACH, IP65 (without protection caps), MIL-STD-810G* and MIL-STD-461F*	CE, FCC, WHQL, WEEE, RoHS2.0, REACH, IP65 (without protection caps), MIL-STD-810G* and MIL-STD-461F*
<b>Operating System</b>	Windows 7, Windows 8, Windows 10 Linux – depending on configuration	Windows 7, Windows 10 Linux – depending on configuration

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

\*\*Non-native USB 3.0

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