

Comparison MilDef RK10 – RK12



MilDef RK10

MilDef RK12



CPU	Intel Sandy Bridge i7-2610UE	Intel Skylake i7-6822EQ
RAM	Max 16 GB DDR3 1333 MHz	Max 32 GB DDR4
Graphic	Intel HD Graphics 3000	Intel HD Graphics 530
Storage	120 GB – 500 GB SATA HDD / SSD	Up to 2TB SSD
Display	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)
Sound	HD Audio and Stereo Speakers	HD Audio and Stereo Speakers
Keyboard/mouse	87-Keyboard, Standard keypad PS/2 compatible touchpad (works with water spray and gloves)	83-Backlit Keyboard, Standard keypad PS/2 compatible touchpad (works with water spray and gloves)
Interfaces (right)	1 x Flex Bay 1 x HDD Bay	1 x Flex Bay 1 x HDD Bay
Interfaces (left)	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)
Interfaces (rear)	1 x MIL DC in 12-32V 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 12-32V 1 x DVI 1 x RGB DB15 1 x Display Port 2 x Serial Port DB9 1 x Docking Port (80 pin)
Interfaces (internal)	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)
Primary Battery	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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Power Input	DC 12 V- 32V Optional Built in Vehicle adapter 12-32 V	DC 12 V- 32V Optional Built in Vehicle adapter 12-32 V
Case	Magnesium alloy	Magnesium alloy
Dimensions (W x D x H)	353 x 301 x 79.2 mm (with rubber 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)
Weight	5.5 kg (depending on configuration)	5.5 kg (depending on configuration)
Certifications	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*
Operating System	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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