

RUGGED TABLET

DR13



- High resolution with 8.4" XGA LCD for satisfying viewing experience
- Reliable performance with Intel® Core™ i7-7600U Processor
- Efficient functioning with LED Backlight Keypad
- Rugged magnesium case with MIL-STD-810G & IP54 compliant to withstand harsh and extreme environment
- Upgraded with EMC solution of Optional MIL-STD-461G (Ground Navy and Ground Army) available.
- I/O Expansions with Docklite DL10 is available.



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Standard Unit

Items	Descriptions
Platform	– Intel® Kaby Lake-U Platform
Operation System	– Windows10
Processor	– Intel® Core™ i7-7600U Processor – 4MB Intel® Smart Cache, up to 3.90 GHz
Graphic	– Intel® HD Graphics 620
Display	– 8.4" XGA (1024 x 768) LCD – Optical Bonding – Resistive Single-Touch Type – Brightness (min.~typ.): Std. 600~750 nits
Memory	– 260 pin DDR4-2400/2666 SO-DIMM x 1 – 8GB/16GB/32GB DDR4-2400/2666, up to 32GB
Storage	– Removable 2.5" SATAIII SSD* x 1 *Height: 7mm
Audio	– HD Audio and Stereo Speakers
Keypad	– 1st Layer: F1, F2, F3, F4, Tab Key, -, +, ←, → – 2nd Layer: Esc, Ctrl, ↓, Alt, ↑, Del, Fn, Enter, Decrease Brightness, Increase Brightness – with Backlight
Buttons	– Power Button (Black)
LED Indicators	– Power/S3 (Green/Red) – SSD/Heater (Green/Orange) – Charge/Battery low (Orange/ Flashing Orange) – RF Devices (Blue)
Security	– Password Security (Supervisor Password, User Password) – Kensington Lock Slot
Case	– Magnesium
Color	– Black – NATO Green
Environmental Specifications	– Operating Temperature: Std.: -20°C ~ +50°C – Storage Temperature: -40°C ~ +70°C
Dimensions	– 250 x 190 x 45 mm
Weight	– Approximately 2.3 kg
Certifications	– CE/FCC/UKCA – WEEE – REACH – RoHS2.0 – IP54 (without I/O caps) – MIL-STD-810G

Power	
Main Battery	– Battery Pack BDA3A: Std: Li-Ion 10.8V/5300mAh
AC Adapter	– 90W, 100-240VAC, 50/60Hz
DC-in	– DC-in 12~32V with BVA & Surge Protector – DC-in Conn.: Std.: Industry 2 pin

Communications	
GLAN	– 10/100/1000 base-T Ethernet Std.: 1st GLAN: Intel® I219LM on MB

I/O Interfaces	
Left	–1st GLAN RJ45 x 1: Intel® I219LM on MB – USB 3.1 Gen. 1 x 2 – Multibay: – ExpressCard Slot (ExpressCard/54) x 1 (Top) – SIM Card Slot x 1 + SD Card Slot x 1 (Bottom)
Right	– Serial Port DB9 x 1 (COM1)
Rear	– 2nd Battery Connector x 1
Bottom	– Docklite Connector (120 pin) x 1 Signals: – COM2 (Default: TTL) – COM3 (Default: RS232) – USB 2.0 x 1, – Microphone, Speaker, Line-in – Va (19V), Vcc (3.3V / 5V), GND – VGA – PS2 KB/Mouse – DVI – Optional GLAN
Internal	– Mini PCIe full-size card x 2 (On Up Board) – M.2 2230 E key x 1 (WLAN/Bluetooth® Module) – USB 2.0 x 4 – USB 3.1 Gen.1 x 2 (for Left I/O) – Serial Ports x 4 (COM1~COM3) – COM1 port (Internal Signals): RS232/RS422/RS485. – COM1 port (External): Default RS232; BIOS Selectable (RS232/RS422/ RS485) – COM2/COM3: For Docklite

Optional Devices

Items	Descriptions
Memory	– 260 pin DDR4-2400/2666 SO-DIMM x 1 – 8GB/16GB/32GB DDR4-2400/2666, up to 32GB
WLAN/Bluetooth®	– Intel® Dual Band Wireless AC9260 – Wi-Fi Certified: 802.11 a/b/g/n/ac – Bluetooth® 5.0 – Interface: PCIe (WLAN)/ USB (Bluetooth®) – Form Factor: M.2 2230
GNSS	– Ublox Neo-M8N GPS/GLONASS (Interface: USB)
2nd GLAN Card	– Intel® I210 GLAN Card – Form Factor: Mini PCIe full-size
TPM 2.0	– Available
Invisible mode On/Off	– Available
Wide Temp. -30°C ~ +50°C	– Operation with AC Adapter only
2nd Battery Pack	– Battery Pack BDRD3A: Li-Ion 10.8V/9100mAh
Battery Charger	– Multi Battery Charger MCDR for Battery: 10.8V/5300mAh Li-Ion BDA3A 10.8V/9100mAh Li-Ion BDRD3A
DC-In	– Military 3 pin
Certifications	– MIL-STD-461G (Ground Navy and Ground Army)
Vehicle Power Cord	– Available
External Vehicle Adapter	– EVA 1275 – EVA 19040
Docklite	– DL10
Stand Unit	– DR13 without rubber jacket can be mounted on Stand Unit