

RUGGED TABLET

DE13



- Reliable performance with Intel® Core™ i7-7Y75 Processor
- High resolution of 7" resistive multi touch panel for advanced operating flexibility
- LED Backlight Keypad to increase operating efficiency
- Rugged CNC milled aluminum case to withstand the harsh and extreme environmental conditions
- Designed with MIL-STD-810G & IP67 compliant
- Upgraded with EMC solution of Optional MIL-STD-461G (Ground Navy and Ground Army) available



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Standard Unit

Items	Descriptions
Platform	– Intel® Kaby Lake-Y Platform
Operation System	– Windows10
Processor	– Intel® Core™ i7-7Y75 Processor – 4MB Intel® Smart Cache, up to 3.60 GHz – Intel® Vpro technology
Graphic	– Intel® HD Graphics 615
Display	– 7" WXGA (1280 x 800) LCD – Air Bonding – Resistive Multi-Touch Type (Interface: USB) – Brightness (min.~typ.): Std. 640~800 nits
Memory	– 16GB LPDDR3 (On Board)
Storage	– M.2 2280 M key SATAIII SSD x 1
Audio	– HD Audio and Mono Speakers
Sensor	– Ambient Light Sensor
Keypad	– 1st Layer: Fn Lock, A1, A2, Windows, A3, Input Lock, Power – 2nd Layer: Esc, F2, Enter, →, ↓ – with Backlight
LED Indicators	– Power/S3 (Green/Flashing Green) – SSD (Green) – Charge/Battery low (Orange/Flashing Orange)
Security	– Password Security (Supervisor Password, User Password) – Kensington Lock Slot
Case	– CNC milled Aluminum
Color	– Black – NATO Green
Environmental Specifications	– Operating Temperature: AC Mode: Std.: -20°C ~ +60°C Battery Mode: Std.: -10°C ~ +60°C – Storage Temperature: -40°C ~ +70°C
Dimensions	– 250 x 144 x 31 mm
Weight	– Approximately 1.2 kg
Certifications	– CE/FCC/UKCA – WEEE – REACH – RoHS2.0 – IP67 – MIL-STD-810G (1.2M drop test)

Power	
Main Battery	– Battery Pack BDED2A: Std: Li-Ion 7.2V/4700mAh
AC Adapter	– 90W, 100-240VAC, 50/60Hz
DC-in	– DC-in 12~32V with BVA & Surge Protector (Fischer 3-pin)

Communications	
GLAN	– 10/100/1000 base-T Ethernet

I/O Interfaces	
Right	– Jack I/O: Amphenol USB 3.1 Type C x 1 – MUSBR-M5C1-M0. – Optional Fishcher I/O: Choose 2 out of 5 options as below. Each function can only be chosen once.: – USB 2.0 x 1 – GLAN (Intel® I219LM on MB) – COM x 1 (RS232 x 1/RS422 x 1) – Audio** (Headphone out/Mic-in Combo) x 1 **Optional Fishcher Audio and Sealed Headset can't coexist.
Rear	– Optional 2nd Battery Connector x 1
Bottom	– Docklite Connector (35 pin POGO, Hot Swappable) Signals: – USB 3.1 x 1 – 5V/1A, Vbata/1A – Ext. ANT Signals x 2
Internal	– Mini PCIe full-size card x 1 (On I/O Board) – M.2 2230 E Key x 1 (WLAN/Bluetooth® Module; On I/O Board) – USB 2.0 x 6 – Optional GNSS Module – USB 3.1 x 1 – COM 1 x 1 (RS232) – COM 2 x 1 (RS422) – Audio (Headphoe out/Mic-in Combo) x 1

Optional Devices

Items	Descriptions
WLAN/Bluetooth®	– Intel® Dual Band Wireless AC8265 – Wi-Fi Certificated: 802.11 a/b/g/n/ac – Bluetooth® 4.2 – Interface: PCIe (WiFi)/ USB (Bluetooth®) – Form Factor: M.2 2230
GNSS	– Ublox Neo-M8N GPS/GLONASS (Interface: USB)
TPM 2.0	– On I/O Board *Infineon SLB9665XT2.0 FW5.61
Digital Mic	– Embedded Digital Mic
Fischer Connectors	– Audio, Sealed Headset, 1 st GLAN, USB 2.0, Display Port, RS232, RS422
Invisible mode On/Off	– Available
Wide Temp. -30°C ~ +60°C	– Operation with AC Adapter only
Certifications	– IP65 with thumb screws. – MIL-STD-461G (Ground Navy and Ground Army)
2nd Battery Pack	– Battery Pack BDED2B: Li-Ion 7.2V/4700mAh
Battery Charger	– Single Battery Charger SCDE for Battery: 7.2V/4700mAh Li-Ion BDED2A 7.2V/4700mAh Li-Ion BDED2B
Vehicle Power Cord	– Available
External Vehicle Adapter	– EVA 1275