



JNB-1502B

15.6" Fully Rugged Laptop

- 15.6" FHD 1920*1080 screen
- Support sunlight readable
- High strength magnesium-alloy chassis
- Intel® Core™ i7-7820EQ/i7-6822EQ
- Built-in NVIDIA® GT950M video card
- Meet fully rugged standard and IP65
- 4G/WLAN/Bluetooth/GPS/Fingerprint/Webcam
- Rich LAN/USB/COM/Display/Card slot



Specifications

CPU	Intel® Core™ i7-7820EQ 3.0GHz 4C8T Intel® Core™ i7-6822EQ 2.0GHz 4C8T
Chipset	Intel® HM175
Memory	Onboard 8GB DDR4, 1 x SO-DIMM support up to 16GB, total 24GB
Display screen	15.6" high-brightness LCD screen, resolution 1920 x 1080
Graphics	Support Intel HD Graphics 630/530 Support expansion of NVIDIA GTX950M 2G GDDR5 video card
Storage	2.5" SATA industrial HDD/SSD, optional encryption
IO port	1 x VGA port 1 x HDMI port 2 x RJ-45 LAN port, support 10/100/1000M 2 x USB3.0 port 2 x USB2.0 port 2 x serial port(support RS-232/422/485 switched by BIOS, default RS-232), max 4 1 x Line-out 1 x Mic-In
Expansion card slot	1 x Smart Card slot 1 x Express Card slot 1 x SD Card reader slot 1 x SIM Card slot
Multi-function expansion slot	The optical drive bay can be expanded to one of the following options: <ul style="list-style-type: none"> ● 2 x COM port; ● optical drive or a second HDD module; ● PCI-E x1 device; ● USB port or USB function device; ● Support expansion port on the bottom, docking station can be attached
Keyboard	Water-proof plastic keyboard with left/right-key touch pad mouse optional water-proof and dust-proof silicon keyboard with blue backlight

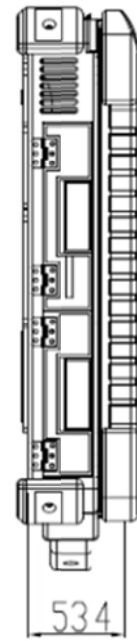
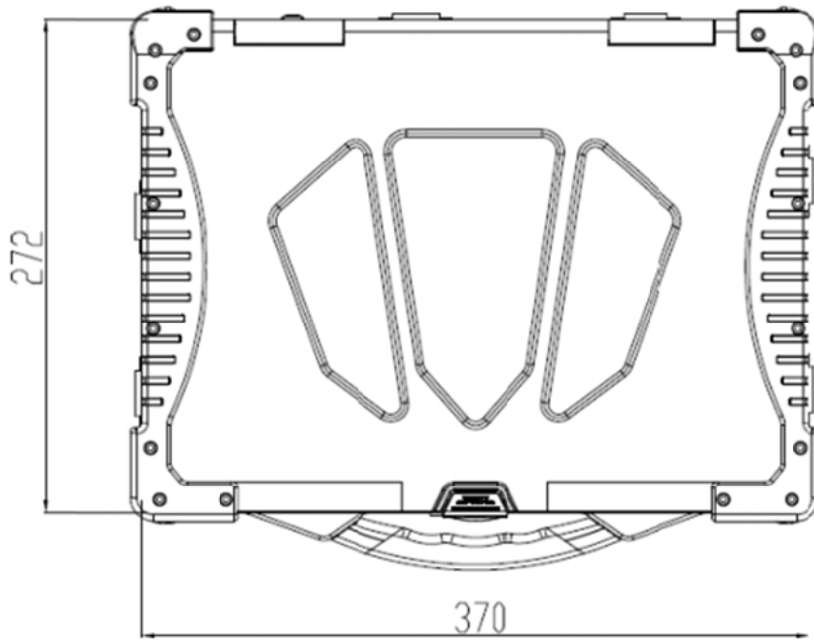


Audio and video	High-definition audio processor 2 x built-in speaker 1 x built-in microphone
Web Camera	2.0 MP AF camera optional
Communication	WiFi optional LAN: 10/100/1000M Bluetooth optional 4G optional GPS/BeiDou optional
Safety	TPM optional Administrator password, login password Smart card reader Fingerprint identifier Anti-theft pin hole Intel® vPro™ technology
Operating System	Windows7, 10, Linux
Power adapter	AC power adapter : input AC110~240V, output DC19V@90W, aviation connector
Battery	6600mAH intelligent Li-ion battery, expandable to 2nd Battery Pack(5000mAH) Dual battery pack support 9hours endurance
Heat dissipation	Waterproof Fan design, heat dissipation by sealed metal chassis
Dimensions	53.4mm(H)×370mm(W)×272mm(D)
Weight	About 5.5Kg (Including one battery pack)

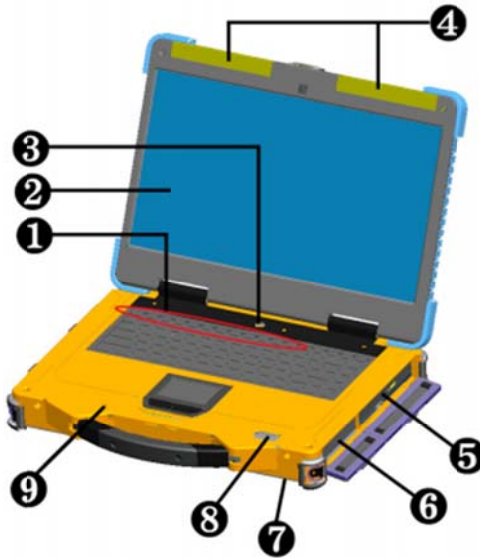
Reliability

Temperature	Operating Temperature: -20°C to 55°C (powered by adapter, wide temperature HDD), 0°C to 50°C (Generic HDD) Optional -40~55°C (powered by adapter) Storage Temperature: -40°C to 70°C Optional -50~70°C
Humidity	5%-95%, non-condensing
Altitude	Operating: 15,000ft Storage: 40,000ft Attitude change rate: 2, 000ft/min
ESD	Meets IEC 61000-4-2/2001 Contact +/-4KV, Air +/-8KV
Shock	Operating: peak acceleration 20G, impulse width 11ms
Vibration	Operating: 5~50Hz frequency, 0.5mm amplitude, 50-500Hz, 1.0G acceleration Power-off: 5~50Hz frequency, 0.5mm amplitude, 50-500Hz, 4.2G acceleration
Drop	121CM free drop to hard floor, six sides, four angles and six edges
MTBF	≥5000h
Maintanable Time	≤0.5h
Typical Consumption	Power Type: ADAPTER Input Voltage/Frequency: 100 ~ 240V AC 50Hz/60Hz Total Power Consumption: 31.5W (Stand-by) Total Power Consumption: 76W (Running BurnIntest 100%)

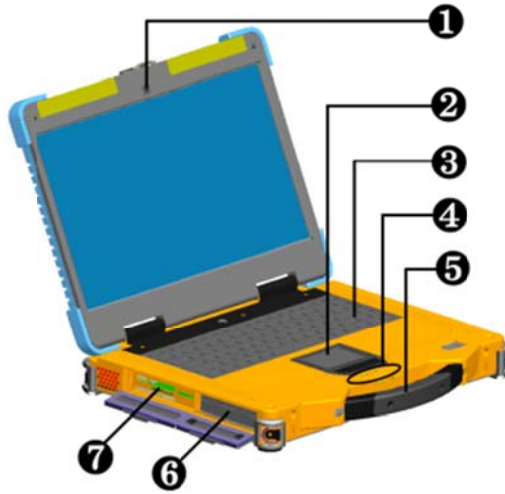
Dimension



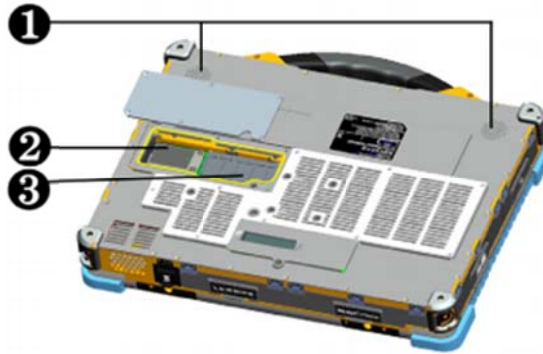
External Function Parts



1. Function Keys	2. LCD	3. Power Switch
4. Antena	5. DVD-ROM	6. Primary Battery
7. Safety Lock	8. Fingerprint Identifier	9. Mic-in



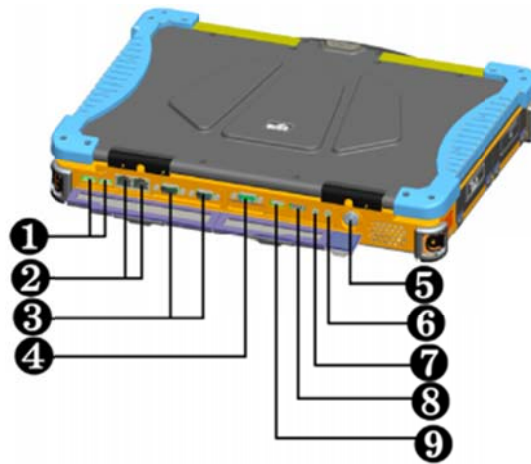
1. Camera	2. Touchpad	3. Keyboard
4. LED Indicator	5. Carrying Handle	6. Hard Disk Driver
7. Internal battery switch		



1. Loudspeaker	2. mSATA Slot Module	3. Memory Slot Module
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1. Express Card Slot	2. Smart Card Slot	3. SIM Card Slot
4. SD Card Slot		



1. USB 2.0 ports	2. LAN ports	3. Serial ports
4. VGA port	5. DC port (Aviation connector)	6. Mic-in
7. Line-out	8. HDMI port	9. USB 3.0 ports

Ordering Information

P/N	Model	Description
0010-106121	JNB-1502B-01	15.6" sunlight readable screen/i7-6822EQ 2.0GHz/8GB DDR4/128G industrial SSD/ GT950M/DVD-RW/WiFi/BT/Fingerprint identifier/Camera/6600mAh battery pack/ 5000mAh fixed battery/Water-proof plastic keyboard/Rugged adapter/Conformal Coating
0010-106131	JNB-1502B-02	15.6" sunlight readable screen/i7-7820EQ 3.0GHz/8GB DDR4/128GB industrial SSD/ DVD-RW/WiFi/BT/Fingerprint identifier/6600mAh battery pack/ Water-proof plastic keyboard/Rugged adapter/Conformal Coating