RUGGED LAPTOPS

Focus On Rugged Laptop | KVM | Tablet | Display | Joystick | Motherboard | Keyboard and Mouse

Telephone: +86-755-89230460, +86-755-89253893

Webpage: www.rugged-system.com, www.rugged-key.com

Email: sales01@rugged-system.com, sales05@rugged-system.com

Head Office Add: B702, Building 1, Tian'an Cyber Park, HuangGe North Rd, Long Gang District, ShenZhen, Guang Dong Province, P.R.China. Zip Code: 518172

Factory Add: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan, Guang Dong Province, P.R.China. Zip Code: 523703

COMPANY PROFILE

Key Technology China Limited, established in 2006, is an ISO9001-2015 and GJB9001C-2017 registered enterprise and leading manufacturer engaged in research, development, sale and service of all kinds of rugged keyboards/input devices for harsh environments covering industrial/military/navy/aerospace/marine/medical/coal & mine/oil and gas/transportation/public access etc. applications. With around two decades of professional technical expertise and a dedicated R&D team, we have expanded our capabilities by establishing Key Technology Rugged System LTD in 2020, a subsidiary focused on delivering high-performance rugged computing solutions, including:

- Rugged Laptops & Servers
- Rugged Displays & Tablets
- Rugged KVM
- Motherboards
- Customized Embedded Systems

Tailed to your needs, our products stand for durability, reliability and cost efficiency, which are engineered to withstand extreme conditions and meet the inceased demands of field use, regardless of industry. Committed to reliability under harsh environments, both companies synergize to provide end-to-end ruggedized HMI and delivery cutting-edge computing solutions for global industries.To ensure the quality and reliability of our products, Key Technology Rugged System Ltd manages the entire product development process in-house. From design and prototyping to manufacturing and testing, every step is carefully controlled and monitored to meet rigorous industry standards.

01

COMPANY CERTIFICATE
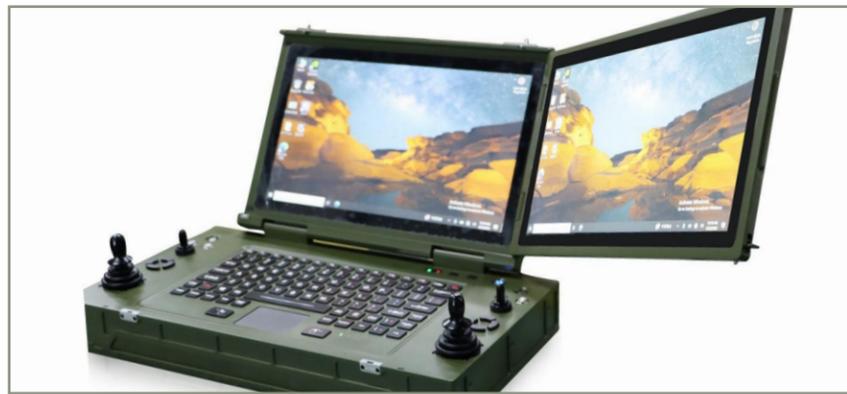
Company Certificate

ISO9001-2015

High tech Enterprise Certificate

02

APPLICATION AREA

THE RIGHT SOLUTION FOR EVERY INDUSTRY

03

PRODUCT LIST

1	RGD-LTP-AX1400U-612	14 inch, DDR4 32GB, Windows7/10, Linux (optional)
2	RGD-LTP-BX1400U-EEG	14 inch, DDR5 16GB, WIindows 11 Pro
3	RGD-LTP-AX1506U-0024	15. 6inch, DDR4 32GB, Windows7/10, Linux (optional)
4	RGD-LTP-AX1506U-0069	15.6 inch, DDR4 8GB, Windows 10 Pro
5	RGD-LTP-BX1506U-0038	15.6 inch, DDR4 32GB, Windows7/10, Linux (optional)
6	RGD-LTP-BX1506U-0040	3 x 15.6 inch, DDR4 32GB, Windows7/10, Linux (optional)
7	RGD-LTP-AX1703U-0006	17.3 inch, DDR4 16GB, Windows10, Linux (optional)

1	RGD-LTP-LM02	13.3 inch, Windows 7/10, 8GB/12GB/16GB/20GB (DDR4-2133)
2	RGD-LTP-LM05	15 inch, Windows7/10/Windows server 2008, 4GB/8GB/16GB/32GB DDR4-2133, with SO-DIMM dual channels
3	RGD-LTP-I100	15.6 inch, Windows 10/11, 16GB/32GB DDR5
4	RGD-LTP-LN6000	15.6 inch, Windows 10/11, 16GB/32GB/64GB DDR4
5	RGD-LTP-IN73	17.3 inch, 32GB DDR4, Windows7/10

RGD-LTP-AX1400U-612

- ■ **Intel low-power 7th /10th generation HQ series processors**
- ■ **512GB SSD+2TB mass storage**
- ■ **Built-in 8000mAh large batter**
- ■ **Windows7/10 operating system, Linux (optional)**
- ■ **The case is made of high-strength and high-quality magnesium aluminum alloy**

TECHNICAL SPECIFICATIONS:

Weight: 3.9KG	**Battery:** 8000mAh
Memory: DDR4 32GB	**Waterproof Level:** IP65 (front panel)
Speaker: Built-in speaker	**OS:** Windows7, Windows10, Linux (optional)
Color: Army green/Ice grey/Navy grey/Black	**Dimension:** 340.0mm x 270.0mm x 49.5mm
Working Temperature: -20℃ ~ +50℃	**Storage Temperature:** -40℃~ +60℃
Display: 14" display, 1920 x 1080 resolution	**Harddisk:** 512GB SSD+2TB, other capacities optional
Material: High-strength and high-quality magnesium aluminum alloy	
Processor: Intel I7-7700HQ four cores and eight threads / Intel i7-10875H eight cores + six threads	
Ports: 2*USB3.0, 2*USB2.0, 1*DB9 serial port (male), 1*HDMI, 1*DCIN (aviation plug), 1*AUDIO interface	

RGD-LTP-BX1400U-EEG

- Adapt to extreme environments
- Support GPS 2G/3G/4G/5G,GPS and Fingerprint
- CPU i5-1235U(i7-1265u available), TDP15W, 10-Cores, 12 thread
- Built-in 11.1V 8000mAH long-life battery
- High-strength and high-quality aluminum alloy

RGD-LTP-AX1506U-0024

- Intel low-power 7th /10th generation HQ series processors
- 15.6" HD LED display, 1920 x 1080 resolution
- Built-in stereo dual speakers
- Built-in 12000mAh long-life battery
- Discrete graphics card NVIDIA 1050M 4G

TECHNICAL SPECIFICATIONS:

Weight: 4.6KG	Battery: 11.1V 8000mAH long-life battery
Memory: DDR5 16GB 4800MHz	Waterproof Level: IP65 (front panel)
Speaker: Built in 8Ω/1W *2	OS: WIN11 PRO
Color: Black/Army green/Ice grey/Navy grey	Dimension: 340*260*48mm
Working Temperature: -20℃ ~ +60℃	Storage Temperature: -30℃~ +70℃
Display: 14 inch 16:9, Resolution: 1920*1080	Harddisk: 512GB SSD+2TB, other capacities optional
Material: Full Aluminum Alloy	
Processor: I5-1235U(i7-1265u available),TDP15W,10-Cores,12 thread,Main Speed:1.4GHz,Maxium speed:4.4GHz	
Ports: USB2.0*1,USB3.0*2,TYPE-C, RJ45*1, DB9 (RS232) *1, Power port *1,Anti-theft Lock Slot *1 etc.	

TECHNICAL SPECIFICATIONS:

Weight: 5.5KG	Battery: 12000mAh
Memory: DDR4 32GB	Waterproof Level: IP65 (front panel)
Speaker: Built-in stereo dual speaker	OS: Windows7, Windows10, Linux (optional)
Color: Army green/Ice grey/Navy grey/Black	Dimension: 378.0mm x 280.0mm x 50.0mm
Working Temperature: -20℃ ~ +55℃	Storage Temperature: -40℃~ +60℃
Display: 15.6"HD LED display,1920 x 1080 resolution	Harddisk: 1TB HDD+256GB SSD,other capacities optional
CD-ROM Driver: Burning optical drive (optional)	Graphics Card: MXM 1050 4G,other graphics cards optional
Processor: Intel Core i7-7700HQ quad-core eight-thread processor, clocked at 2.8GHz	
Ports: 2*USB3.0, 2*USB2.0, 1*RS232, 1*HDMI, 2*Gigabit Ethernet port,1*S PK 1*MIC,DC 19V input (aviation plug) external power adapter	

RGD-LTP-AX1506U-0069

- Low-power Intel Core i7-7700HQ processor
- High-definition 15.6-inch LED screen with 1920 x 1080 resolution
- Built-in dual stereo speakers
- Built-in 10000mAh battery for ultra-long battery life

RGD-LTP-BX1506U-0038

- Intel low-power 7th/10th generation H-series processors
- 15.6" dual display, 1920 x 1080 resolution
- Waterproof industrial keyboard (106 keys)
- Front camera 5 MP
- Built-in WIFI, Bluetooth module and GPS module

TECHNICAL SPECIFICATIONS:

Weight: 5.2KGs	**Battery:** 10000mAh
Memory: 512GB SSD	**Harddisk:** 512GB SSD
Material: Full-Magnesium Aluminum Alloy	**Waterproof Level:** IP65 (front panel)
Graphics Card: Integrated graphics	**OS:** Windows 10 Pro
Working Temperature: -20℃ ~ +55℃	**Storage Temperature:** -40℃~ +71℃
Color: Dark grey	**Dimension:** ≤410 x 320 x 65mm (16.1" x 12.6" x 2.5")

Expansion Slot: Smart Card Reader x1 ExpressCard/54 x 1(optional)with one free M.2 2230 or 2280 mini PCIE slot.

Display: 15.6" TFT LCD FHD, Anti-Glare Display (1920*1080), capacitive touch screen

Processor: Intel® Core™ i7-7700HQ

Ports: Audio-in (Mini-jack) x 1, Audio-out (Mini-jack) x 1, DC-in Jack x 1, USB 3.2 Gen 1 Type-A x 4,LAN (RJ45) x 2, HDMI x 1, Serial Port (9-pin, D-type connector) x 2, VGA x 1

TECHNICAL SPECIFICATIONS:

Weight: 9.3KGs	**Battery:** 10000mAh
Memory: DDR4 32GB	**Harddisk:** M.2 1TB SSD
Material: Aluminum alloy	**Waterproof Level:** IP64 (front panel)
Graphics Card: MXM 1050 4G	**OS:** Windows7, Windows10, Linux (optional)
Working Temperature: -20℃ ~ +55℃	**Storage Temperature:** -40℃~ +60℃
Color: Army green/Ice grey/Navy grey/Black	**Dimension:** 390.0mm x 300.0mm x 85.6mm

WIFI: Built-in WIFI, Bluetooth module and GPS module

Display: 15.6" dual display, 1920 x 1080 resolution, anti-glare 750cd/㎡ frosted glass material

Processor: Intel i7-7700HQ four cores and eight threads, i7-10875H eight cores + six threads

Ports: 3*USB, 2*LAN, 1*HDMI, 1*COM, 1*WiFi (SMA), 1*GPS (SMA),1* DC19V-24V, 1*HP, 1*MIC, 1*Built-in SD card slot (Micro SD card)

RGD-LTP-BX1506U-0040

- ■ Intel low-power I7/10th generation H-series processors
- ■ 3 x 15.6" display, 1920 1080 resolution
- ■ Windows7/10 operating system, Linux (optional)
- ■ Built-in 26000mAh long-life battery
- ■ MXM 1050 4G graphics card

RGD-LTP-AX1703U-0006

- ■ Intel i7-10875H eight-core + six-thread processors
- ■ 17.3" dual display, 1920 x 1080 resolution
- ■ Waterproof industrial keyboard and mouse
- ■ Built-in 20000mAh long-life battery

TECHNICAL SPECIFICATIONS:

Weight: 13.2KG	**Battery:** 26000mAh
Memory: DDR4 32GB	**Waterproof Level:** IP65 (front panel)
Brightness: 600cd/m²	**OS:** Windows7, Windows10, Linux (optional)
Humidity: 5%~95%RH	**Dimension:** 485.0mm x 178.0mm x 385.0mm
Color: Army green/Ice grey/Navy grey/Black	**Harddisk:** 1TB SSD, other capacities optional
Display: 3 x 15.6" display, 1920 x 1080 resolution	**Material:** Aluminum alloy+polyethylene case
Storage Temperature: -40℃~ +60℃	**Graphics Card:** MXM 1050 4G, other graphics cards optional
Working Temperature: -20℃ ~ +50℃ , -40℃ ~ +50℃ optional	
Ports: 2* USB2.0 DC 19V, 3*LAN (10/100/1000M adaptive), 1*AUDIO, 1*MIC	
Processor: Intel i7-770 0 HQ four cores and eight threads, I7-10875H eight cores+sixteen thread	

TECHNICAL SPECIFICATIONS:

Weight: 13.2KG	**Battery:** 20000mAh
Memory: DDR4 16GB	**Harddisk:** M.2 1TB SSD
Material: Aluminum alloy	**Waterproof Level:** IP65 (front panel)
Display: 17.3" dual display, 1920 x 1080 resolution	**OS:** Windows10, Linux (optional)
Working Temperature: -20℃ ~ +55℃	**Storage Temperature:** -40℃~ +60℃
Color: Army green/Ice grey/Navy grey/Black	**Dimension:** 444.0mm x 368.8mm x 102.5mm
Graphics Card: MXM 1050 4G, other graphics cards optional	
Processor: Intel i7-10875H eight-core + six-thread processors	
Ports: 2*USB, 1*Network port, 1*VGA, 1*Serial port, 1*AUDIO, 1*Power aviation plug	

RGD-LTP-LM02

- **13.3" super bright sunlight can view 1000cd/㎡ 1920*1080 IPS**
- **Intel Core i7-6600U Processor**

RGD-LTP-LM05

- **13.3" super bright sunlight can view 1000cd/㎡ 1920*1080 IPS**
- **Intel Core i7-6600U Processor**

TECHNICAL SPECIFICATIONS:

Camera: 2M F-camera	**CPU:** Intel Core i7-6600U@2.6GHz dual core four threads
Memory: 8GB/12GB/16GB/20GB (DDR4-2133)	**Storage:** 128GB/256GB/512GB , Optional：Disk Wiper
System: Support Windows 7 / Windows 10 dual system	**VGA Controller:** Intel® HD Graphics 520

Adapter: Input: AC 100~240V AC, 50/60HZ, output: DC 19V, 3.42A

Display: 13.3 "1920*1080 1000cd/㎡ IPS/10 point capacitive touch screen/Corning Gorilla Glass

Battery: 1Main battery capacity: 91.2Wh,（pluggable）Optional:Auxiliary battery capacity: 22.8Wh (pluggable)

Environmental Specification: Operating: -20℃ ~ +55℃ , Storage: -40℃ ~ +70℃ Humidity:- 95% RH, non-condensing

Communication: Beidou +GPS, Bluetooth V4.2, WLAN 802.11ac/b/g/n (AC3165) optional: WLAN 802.11ac/b/g/n AC7265

I/O Interface: USB3.0*3, Thunderbolt™ 4 Type-C *1, RJ45*2, COM*2 （Or COM*1+VGA*1）, HDMI*1,

Power aviation plug*1, Earphone port*1

TECHNICAL SPECIFICATIONS:

KEY: Power KEY	**Camera:** 2M front camera
Communication: Built-in speaker	**Speaker:** Microphone/left and right dual channel super loud speaker
System: Windows7/Windows10/Windows server 2008	**Adapter:** Input: AC 100-240V, 50/60HZ, output: DC 24V, 5A

Environmental Specification: -20℃ ~ +55℃ , Storage temperature: -40℃ ~ +70℃

Storage: 128GB, 256GB, 512GB, and 1TB M.2 Ports SATA or NVMe ports

Memory: 4GB/8GB/16GB/32GB DDR4-2133, with SO-DIMM dual channels

Display: 15-inch screen, resolution 1600*1200, LED backlight brightness 400cd/㎡

CPU: Intel Core i7-6500U@2.5GHz Maximum frequency up to 3.1GHz dual-core four-thread

I/O Interface: HDMIx1, USB 3.0x4, headphone/microphone jack x1, RJ45x2, VGA×1, DC power interface x1

Indicator Light: Indicator Power status indicator, battery status indicator, hard disk status indicator, keypad lock indicator

RGD-LTP-I100

- **13th generation Intel ® CoRE ™ i9/i7/i5 processors**
- **Support for Windows 10 and Windows 11**

RGD-LTP-LN6000

- **Loongson 3A6000+7A2000 Processor**
- **8 Cores, 64-bit superscalar processor core LA664**

TECHNICAL SPECIFICATIONS:

System: Windows 10 and Windows 11	**Memory:** 16GB/32GB DDR5 MAX Optional:96G
CPU: Intel®Core™ i7-13700H Processor 24M Cache, up to 5.0 GHz	**Keyboard:** LED backlit membrane keyboard with Waterproof feature
Storage: 128GB/256GB/512GB/1TB/2TB/4TB, Optional: Disk Wiper	**Adapter:** Input voltage: AC100V~240V, 60/50Hz, Output voltage: DC19V, 9.47A

Environmental Specification: Operating: -20℃ ~ +55℃ (Customizable: -40℃ ~ +55℃)

Storage: -40℃ ~ +70℃ (Customizable：-50℃ ~ +70℃) Humidity:- 95% RH, non-condensing

Battery: Main battery capacity：155Wh,(pluggable), Auxiliary battery capacity：58Wh(non-removable)

Graphics Controller: Intel® Iris® Xe Graphics eligible 1.50 GHz, Optional:NVIDIA GeForce RTX3060

Display: 15.6inch,1920(RGB)*1080, Luminance, 500cd/㎡,Sunlight Readable Optional: OLED, 15.6inch 4K:3840*2160, Luminance 500cd/㎡

I/O Interface: USB3.0*3,Thunderbolt™ 4 Type-C*1,RJ45*2,COM*2(Or COM*1+VGA*1)HDMI*1 Power aviation plug*1,Earphone port*1,Grounding Post*1

Communication: 1000M Ethernet , Intel® Wi-Fi 6 802.11ax Bluetooth (v5.2) , 4G LTE mobile broadband

standard precision GNSS(GPS/GLONASS/Galileo) Optional: 5G LTE mobile broadband

TECHNICAL SPECIFICATIONS:

System: Windows 10 and Windows 11	**Memory:** 16GB/32GB/64GB DDR4
Graphics Controller: MXM JH910, Optional: MXM JH930 4G	**Keyboard:** LED backlit membrane keyboard with Waterproof feature
Storage: 256GB/512GB/1TB, Optional: Disk Wiper	**Adapter:** Input voltage: AC100V~240V, 60/50Hz, Output voltage: DC19V, 9.47A

Battery: Main battery capacity：155Wh,(pluggable), Auxiliary battery capacity：58Wh(non-removable)

CPU: Loongson 3A6000+7A2000 Processor, 4 Cores,16M Cache,Support LoongArch™ instruction system, up to 2.0GHz~2.5GHz

I/O Interface: USB3.0*3, Thunderbolt™ 4 Type-C *1, RJ45*2, COM*2 (Or COM*1+VGA*1), HDMI*1 Power aviation plug*1, Earphone port*1

Display: 15.6inch, 1920(RGB)*1080, Luminance, 500cd/㎡, Sunlight Readable Optional: OLED, 15.6inch 4K:3840*2160, Luminance 500cd/㎡

Environmental Specification: Operating: -20℃ ~ +55℃ (Customizable: -40℃ ~ +55℃) Storage: -40℃ ~ +70℃

(Customizable：-50ºC ~ +70℃) Humidity: - 95% RH, non-condensing

Communication: 1000M Ethernet , Intel® Wi-Fi 6 802.11ax Bluetooth (v5.2), 4G LTE mobile broadband,

standard precision GNSS(GPS/GLONASS/Galileo), Optional: 5G LTE mobile broadband

RGD-LTP-IN73

■ **Windows7/Windows10**

■ **10th Generation Intel® Core™ i9-10980HK processor 16M Cache, up to 5.30 GHz**

TECHNICAL SPECIFICATIONS:

System: Windows7/Windows10	**Memory:** 32GB DDR4
Camera: 2M front camera	**Size:** 445mm*326.8mm*46.5mm, weight≤5kg

Storage: 128GB, 256GB, 512GB, 1TB,2TB,4TB Optional: Disk Wiper

Display: 17.3-inch screen, resolution 1920×1080, backlight brightness 300cd/㎡

CPU: 10th Generation Intel® Core™ i9-10980HK processor 16M Cache, up to 5.30 GHz

Environmental Specification: -20℃ ～ +55℃ , Storage temperature: -40℃ ～ +70℃

KEY: Power button *1, reset button *1, destroy button *1, laptop waterproof backlight keyboard, touch pad with left and right keys

I/O Interface: Power supply port *1, HDMI port *1, serial port 1 (RS232) *1, serial port 2 (RS422) *1,diagnostic port *1

3.5mm audio jack *1, RJ45*2, USB3.0*4, USB-B*1, Type-C*1 Support Thunder 3,