

RUGGED LAPTOPS

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



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



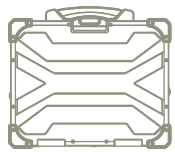
High tech Enterprise Certificate



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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, Wlindows 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	2 x 17.3 inch, DDR4 16GB, Windows10, Linux (optional)
8	RGD-LTP-AX1703U-0010	3 x 17.3 inch, DDR5 32GB*2, Windows 10/11/Linux

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



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.	

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: 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



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	

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: 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



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	

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: 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-AX1703U-0010

- Intel 14 core 20 thread series processor support MXM standalone
- Built-in 20000mAh battery, long life 3*17.3 inch HD display



TECHNICAL SPECIFICATIONS:

Weight: 20.0KG	Battery: 20000mAh
Memory: DDR5 32GB*2	Harddisk: 512GB NVMe SSD
Material: Aluminum alloy	Waterproof Level: IP65 rating (Surface)
Display: 3 x 17.3-inch screens, resolution: 1920*1080	OS: Windows 10/11/Linux
Working Temperature: -40℃ ~ +50℃	Storage Temperature: -45℃ ~ +55℃
Color: Black/Army green (optional)	Graphics Card: MXM 1050 4GB VRAM (optional)
Processor: Intel i7-12700H, 14 cores, 20 threads, main frequency 2.7GHz, turbo boost 4.7GHz	
Ports: 2 x USB 3.0 + 2 x Type-C USB Ports, 2 x RJ45 (Gigabit) Network Ports, 1 x HDMI Display Ports 2 x RS232 Serial Ports, 1 x Headphone Jack Audio Ports, 1 x DC 19V Input (aviation connector) Power Port 1 x SIM card slot, supports 2 x M.2 expansion slots	

RGD-LTP-LM02

- 13.3" super bright sunlight can view 1000cd/ m² 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/ m² 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	

RGD-LTP-LM05

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



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/ m ²	
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



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/ m ² ,Sunlight Readable Optional: OLED, 15.6inch 4K:3840*2160, Luminance 500cd/ m ²	
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	

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/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/ m², Sunlight Readable Optional: OLED, 15.6inch 4K:3840*2160, Luminance 500cd/ m²	
Environmental Specification: Operating: -20℃ ~ +55℃ (Customizable: -40℃ ~ +55℃) Storage: -40℃ ~ +70℃ (Customizable: -50℃ ~ +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,	