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TPC-GS0881T



TPC-GS1081T



Features

- Chipset: MTK MT6771 Octa-core CPU
- Multi-point capacitive touch
- 8"with full IP67
- Android 9.0/10.0 OS
- Rich functions, support explosion-proof
- 10"with full IP65

Specifications

Display	Screen:	8"IPS LCD	10"IPS LCD
	Resolution:	800*1280	
	Brightness:	400 cd/m2, 800 cd/m² optional	450 cd/m2, 800 cd/m² optional
	Contract:	800: 1	
	Touch Screen:	Multi-point capacitive touch	
Perform- ance	Chipset:	MTK MT6771 Octa-core CPU	
	RAM+ROM:	Onboard 4GB+64GB	Ram: Onboard4GB DDR3(optional 2GB, MOQ)
		(Optional 2GB+16GB, 2GB+32GB, 8GB+128GB, MOQ)	Rom: Onboard 64GB EMMC(optional 32GB, MOQ)
	O/S:	Android 9.0	Android 10
	Power Supply:	5V DC IN(5V/3 Aadapter)	
I/O		battery: 9800mAh, 3.8V	battery: 10000mAh, 3.8V
	Camera:	front 5MP + rear 13MP Auto-Focus	
	Flash light:	Support	
	Accessories:	Active/passive stylus- handstrap optional	
	USB:	1*USB 3.0 Type-A+1*USB 2.0 Type-C	1*USB2.0 Type A+1*Type C, support OTG cable
	WIFI:	802.11(a/b/g/n/ac), support dual channel 2.4GHZ+5GHZ	802.11(a/b/g/n/ac), support dual channel 2.4GHZ+5.8GHZ
	Bluetooth:	4.2(BLE) class1 transmission distance: 10m	
	Audio:	inbuilt speaker- MIC- 3.5mm earphone	
	Display:	1*Mini HDMI	
	SIM slot:	1*SIM slot	
	TF slot:	1*TF slot	
	GPS+BD:	MT6630	U-Blox M7N
	DC IN:	1*PWR_IN	
	Pogo Pin:	1*Pogo Pin(12 Pin)	
	Extension:	NFC/UHF RFID/1D/2D/CAN/Fingerprint optional	HF RFID/UHF RFID/NFC/1D/2D/CAN/Fingerprint optional
Environ- mental	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	IP67	IP65
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
	Working Temp.:	-10 C ~ 50 C , with air flow	
	Storage Temp.:	-30 C ~ 70 C	
	Humidity:	95% @40 C , non-condensing	
Mechan- ical	Dimension:	standard: 227mm(L)*142mm(W)*20mm(H)	274mm(L)*181mm(W)*23mm(H)
	Material:	industrial plastic design	
	Color:	Black	

TPC-GS0881L



Features

- Rk3288 SoC Cortex-A17 Quad Core@ 1.8Hz processor
- Support Android/Linux OS
- 4800mAh, long battery life,
- Multi-point capacitive touch
- Full IP67

Specifications

Display	Screen:	8"IPS LCD
	Resolution:	800*1280
	Brightness:	400 cd/m², 800 cd/m² optional
	Contrast:	800: 1
	Touch screen:	Multi-point capacitive touch
Perform- ance	Chipset:	Rk3288 SoC Cortex-A17 Quad Core@ 1.8Hz
	RAM+ROM:	Onboard 2GB+16GB
	O/S:	Ubuntu19.04/Android
	Power Supply:	5V DC IN(5V/3A adapter) Battery: 4800mAh, 7.4V
		front 2MP + rear 8MP(13MP optional)
I/O	Camera:	front 2MP + rear 8MP(13MP optional)
	Flash light:	Support
	Accessories:	Active/passive stylus and handstrap optional
	USB:	1*USB 3.0 Type-A+1*USB 2.0 Type-C
	WIFI:	802.11(a/b/g/n/ac), sup.dual channel 2.4GHZ+5GHZ
	Bluetooth:	4.2(BLE) class1 transmission distance: 10m
	Audio:	inbuilt speaker- MIC- 3.5mm earphone
	Ddisplay:	1*Mini HDMI
	SIM slot:	1*SIM slot
	TF slot:	1*TF slot
Environ- mental	DC IN:	1*PWR_IN
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	Acceleration 10g/11ms
	IP Level:	IP67
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-10 C ~ 50 C , with air flow
	Storage Temp.:	-30 C ~ 70 C
Mechan- ical	Humidity:	95% @40 C , non-condensing
	Dimension:	standard: 227mm(L)*142mm(W)*20mm(H)
	Material:	Industrial plastic design
	Color:	Black

TPC-GS0996



Features

- Onboard MTK6771 Processor
- 9.66" high resolution LCD
- Support 2x1080P camera
- Android 9.0

Specifications

Perform- ance	CPU:	MTK6771 -A73(Lianfake P60)
	Core:	Octa-core
	frequency+GPU :	4 core A73(2.0GHz)+4 core A53(2.0GHz)
	RAM:	6GB/8GB
	ROM:	64GB/128GB
Display	ROM port:	eMCP
	O/S:	Android 9.0
	LCD:	9.66" 1280*320 Full flat screen
	LCD port:	MIPI
	TP:	Corning Gorilla grade 3(2.5D)
Camera	front camera:	MIPI 1080P 30 frame rate
	rear camera:	1080P-AHD port ; 1080P 30frame rate
	Cable connection:	BMW cable
	GPS:	GPS+Beidou
	Bluetooth:	4.2
Network /GPS	WIFI:	2.4+5G 802.11 a/b/g/n; 11ac hot point
	SIM slot:	support dual sim slot
	SIM slot:	Card holder slot
	TF slot:	Self-propelled card holder slot
	TF support:	256G
I/O	USB:	Type-C
	USB-OTG:	Support
	Power connection:	BMW cable
	GPS module port:	Main unit port(not cable port)
	rear camera port:	AHD port
Power Supply	voltage:	9V-36V wide voltage
	ACC test:	have
	low voltage protection:	off less than lower 11 Voltage
	Deep sleep current:	5mA
	Lowconsumption current:	150mA-200mA
Environ- mental	Working Temp.:	-20 C ~70 C
	Storage Temp.:	-30 C ~80 C
	IP Level:	IP54



Rugged Tablets

Industry: ■ Field Survey ■ Electricity inspection ■ Mobile Internet of Things



About Us

Shenzhen Geshem Technology Co., Ltd. is a designer and manufacturer of industrial computers including Embedded Box PC, Industrial Panel PC, Rugged Tablet, Military Laptop, Rugged Monitors etc. We meet exact every customers’ requirements by providing fast, qualified & flexible OEM & ODM products.

Geshem has R&D and marketing team with over 15 years’ experience. We were awarded with “National High-Tech Enterprise” in 2016, certificated by GB/T19001-2016/ISO9001: 2015 in the year of 2018, also authorized as Research & Production Base for military unit, and got Security Qualification certificate in 2019. Our products are also certificated by CE, FCC, WEEE, ROHS, BSMI, CCC etc.,

Geshem headquartered in Shenzhen, and has branch offices around China, like Beijing, Shanghai, Nanjing, Chengdu. In 2019, we established branch office in Germany. Geshem’s products are widely sold in both domestic of China and worldwide includes Europe, South/North America, Middle East, Southeast Asia etc. We provide industrial computers for various applications such as Intelligent Agriculture, Transportation & Logistics, IOT, Education & Medical, Electric power plant, Military etc..

At Geshem, we believe in putting customer the first, being honest & responsible leads to success, and make best efforts to enhance customer’s brand value by providing qualified products and services.

TPC-GS0881



TPC-GS1081



Features

- Intel cherry trail Z8350 processor
 - windows 10 OS
- Multi-point capacitive touch
 - Rich optional functions, Explosion proof certificate
- 8"rugged tablet with full IP67
 - 10"rugged tablet with full IP65

Specifications

Display	Screen:	8"IPS LCD	10"IPS LCD
	Resolution:	800*1280	
	Brightness:	400 cd/m2, 800 cd/m² optional	500 cd/m2, optional 1000 cd/m²
	Contrast:	800: 1	
	Touch Screen:	Multi-point capacitive touch	
Performance	Chipset:	Intel cherry trail Z8350	
	Ram:	4GB DDR3(optional 2GB, MOQ)	
	Hardware Monitor:	Monitor voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	64GB EMMC(optional 32GB, MOQ)	
I/O	OS:	Win 10 pro/Win 10 IOT/Win 10 Home	
	Power Supply:	5V DC IN(5V/3A adapter), Battery 9800mAh	5V DC IN(5V/3A power adapter), battery 10000mAh
	Camera:	front 2MP+ rear 5MP Auto-Focus	
	Flash light:	support	
	Accessories:	Active/passive stylus and handstrap	
I/O	USB:	1*USB 3.0 Type-A+1*USB 2.0 Type-C	1*USB2.0 Type A+1*Type C, support OTG cable
	WiFi:	802.11(a/b/g/n/ac), dual channel 2.4GHz+5.8GHz	802.11(a/b/g/n/ac), dual channel 2.4GHz+5.8GHz
	Bluetooth:	4.1(BLE) class1 transmission distance: 10m	4.2(BLE) class1 transmission distance: 10m
	Audio:	inbuilt speaker. MIC. 3.5mm earphone	
	Display:	1*Mini HDMI	
Environmental	SIM card:	1*SIM slot	
	TF card:	1*TF slot	
	GPS/BD:	U-BLOX M8N	U-Blox M7N
	DC IN:	1*PWR_IN	
	Pogo Pin:	1*Pogo Pin(12Pin)	
Mechanical	Extension:	optional HF RFID/UHF RFID/NFC/1D/2D/CAN/fingerprint	
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	IP67	IP65
	Reliability:	MTBF≥5000h, MTTR≤0.5h	
Mechanical	Working Temp.:	-10℃~50℃, with air flow	
	Storage Temp.:	-30℃~70℃	
	Humidity:	95%@40℃, non-condensing	
	Dimension:	standand device: 227mm(L)*142mm(W)*20mm(H)	274mm(L)*181mm(W)*23mm(H)
	Material:	industrial plastic design	
Mechanical	Color:	Black	

TPC-GS1051HT V6



Features

- Intel® Celeron® N2930 processor
- windows 7/8/10 and linux OS
- Multi-point capacitive touch
- Rich optional functions
- Full IP65

Specifications

Display	Screen:	10.1" TFT LCD
	Resolution:	1280*800
	Brightness:	350cd/m²
	Contrast:	800: 1
	Touch screen:	Multi-point capacitive touch
Performance	Chipset:	Intel® Celeron® N2930 CPU, 1.83GHz
	Ram:	onboard 4G DDR3
	Hardware Monitor:	Monitor voltage, CPU, TEMP.
	Watchdog Timer:	0-255 sec by software
	Storage:	64GB SSD, up to 512GB
I/O	OS:	Windows 7/Windows 10/ Linux
	Power Supply:	12V DC IN(12V5A power adapter), battery 5300mAh
	Camera:	front 200W. rear 500W
	Accessory:	stylus (handstrap and shoulder strap optional)
	USB:	1*USB3.0+1*USB2.0
Environmental	COM:	2*RS232(1*RS485/RS422 optional)
	Ethernet:	1* Intel GbE RJ45 1000M
	Audio:	inbuilt speaker. 1*MIC
	Display:	1*Mini HDMI
	WiFi:	Support
Mechanical	Bluetooth:	4.0
	SIM card:	1*SIM slot
	TF card:	1*TF slot
	Extension:	3G/4G/GPS/RFID/2D optional
	Anti-vibration:	5-19Hz/1.0mm amplitude19-200Hz/1.0g acceleration
Mechanical	Anti-shock:	acceleration 10g/11ms
	IP Level:	full IP65 optional
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-20℃~60℃, with air flow
	Storage Temp.:	-30℃~70℃
Mechanical	Humidity:	95% @40℃, non-condensing
	Dimension:	275mm(L)*195mm(W)*28mm(H)
	Material:	Fanless High-strength & elegant Mag-alloy casing
	Color:	Coffee Gold

TPC-GS1073HT



Features

- Onboard Intel® Core 6th I3(I5/I7 optional, MOQ)
- windows 7/8/10 and linux OS
- Multi-point capacitive touch
- Rich optional functions
- Full IP65

Specifications

Display	Screen:	10.1" TFT LCD
	Touch Screen:	10.1"multi-point capacitive touch
	Resolution:	1280*800
	Brightness:	400 cd/m²
	Contrast:	800: 1
Performance	Chipset:	Onboard Intel® Core 6th I3(I5/I7 optional)
	Ram:	Onboard 8 GB DDR4
	Hardware Monitor:	Monitor voltage, CPU, TEMP.
	Watchdog Timer:	0-255 sec by software
	Storage:	SSD: 64GB, up to 512GB
I/O	Power Supply:	19V DC IN(19V power adapter)
	Battery:	Lithium-ion battery 4000mAh
	OS:	Windows 8/10. Linux
	Camera:	front 200W. rear 500W
	USB:	1*USB3.0 + 1*USB 2.0
Environmental	COM:	1*DB9 (2*RS232 or 1*RS485 optional)
	Ethernet:	1*Intel I21AT RJ45 1000M LAN/IEEE 802.11
	Wifi:	Support
	Bluetooth:	4.0
	Audio:	inbuilt speaker. MIC
Mechanical	Display:	1*Mini HDMI
	SIM card:	1*SIM slot
	TF card:	1*TF slot
	Extension:	3G/4G/GPS/RFID/2D/Fingerprint
	Accessories:	Stylus(handstrap and shoulder strap optional)
Mechanical	Anti-vibration:	5-19Hz/1.0mm amplitude19-200Hz/1.0g acceleraton
	Anti-shock:	10g acceleration, 11ms/duration
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-20℃~60℃, with air flow
	Storage Temp.:	-30℃~70℃
Mechanical	Humidity:	95% @40℃, non-condensing
	Dimension:	269mm(L)*189mm(W)*27.5mm(H)
	Material:	Fanless High-strength & elegant Mag-alloy casing
	Color:	Silver

TPC-GS1051TA



Features

- Intel® Celeron® J1900 CPU
- windows 7/8/10 and linux OS
- Industrial grade LCD + Multi-point capacitive touch
- 2xUSB+2xCOM+2xLan+1xHDMI
- Ultra-thin and light panel pc

Specifications

Display	Screen:	10.1" TFT LCD
	Resolution:	1280*800
	Brightness:	350cd/m²
	Contrast:	1000: 1
	Touch Screen:	Multi-point capacitive touch; (resistive option)
Performance	Chipset:	Intel® Celeron® J1900
	Ram:	2GB DDR3, up to 8GB
	Hardware Monitor:	Monitor voltage, CPU, TEMP.
	Watchdog Timer:	0-255 sec by software
	Storage:	64GB SSD, up to 512GB
I/O	O/S:	Windows 7/8/10. Linux
	Power Supply:	9-24V DC IN(12V5A power adapter)
	Camera:	Front 30W camera
	USB:	1*USB 3.0+3*USB 2.0
	COM:	2*RS232 (4*RS232 optional, 1 DB9 to 3 COM port cable)
Environmental	Ethernet:	2*Intel GbE RJ45 1000M
	Audio:	1*Audio-out
	Display:	1*HDMI(1*VGA optional, occupy one DB9 port)
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0gacceleration
	Anti-shock:	Acceleration 10g/11ms
Mechanical	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-10℃~60℃, with air flow
	Storage Temp.:	-30℃~70℃
	Humidity:	95% @40℃, non-condensing
	Dimension:	275.2mm(L) *195.2mm(W) *36mm(H)
Mechanical	Material:	Fanless High-strength & elegant Al-alloyed panel
	Color:	Silver with black rubber corner



- Self-owned brand
- Self-owned R&D
- Ingenuity Manufacturing
- Quality Choice

TQ12-51AC



TQ15-51AC



Features

- Onboard Intel Core/Celeron Processor
- 1*DDR3L/DDR4 RAM, up to 16GB
- 2*GbE LAN RJ45 1000M
- Industrial Display+flat screen with Multi-point touch
- 4*USB+6*COM
- front IP65

Specificaitons

Display	Screen:	12.1" TFT LCD	15.6" TFT LCD
	Resolution:	1280*800	1920*1080
	Brightness:	350cd/m²	300cd/m²
	Contrast:	800: 1	
Performance	Touch Screen:	Flat screen with multi-point touch	
	Chipset:	Support J1900/3855/3865/Core I3/I5/I7	
	RAM:	up to 8GB/ up to 16GB for Core CPU	
	Hardware Monitor:	Monitors voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	SSD: 64GB, up to 512GB	
	O/S:	Windows 10、Linux (J1900 support Win7)	
	Power Supply:	9-24V DC IN(12V/5A [power adapter, 9-36V optional])	
	USB:	J1900: 3*USB2.0+1*USB3.0	
I/O Port		Core Gen. 6th or 7th 3855U/3865U: 4*USB3.0	
	COM:	6*RS232(1~2*RS485/RS422 optional)	
	Ethernet:	2*Intel GbE RJ45 1000M	
	Audio:	1*Line-out+1*Mic	
	Display Port:	1*VGA, 1*HDMI	
	MiniPCle:	1*MiniPCle(WIFI/BT/3G/4G optional)	
Environmental	GPIO:	1*4 IN/4 OUT	
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	front IP65	
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
	Working Temp.:	0°C~50°C, with air flow	
	Storage Temp.:	-30°C ~70°C	
Mechanical	Working Humidity:	95% @40°C, non-condensing	
	Dimension:	308.6 mm(L)*210.8 mm(W)*52.5 mm(H)	406.2mm(L)*255.6mm(W)*52.3mm(H)
	Installation:	VESA stand: 75*75mm & 100*100mm	VESA stand: 75*75mm & 100*100mm
		Embedded installation: 298*201mm	Embedded installation: 396*245mm
	Material:	Fanless High-strength and elegant Al-alloy panel	
	Color:	Silver	

TQ19-51AC



TQ21-51AC



Features

- Onboard Intel Core/Celeron Processor
- 1*DDR3L/DDR4 RAM, up to 16GB
- 2*GbE LAN RJ45 1000M
- Industrial Display+flat screen with Multi-point touch
- 4*USB+6*COM
- front IP65

Specificaitons

Display	Screen:	19.5" TFT LCD	21.5" TFT LCD
	Resolution:	1440*900	1920*1080
	Brightness:	250cd/m²	250cd/m²
	Contrast:	1000: 1	
Performance	Touch Screen:	Flat screen with multi-point touch	
	Chipset:	Support J1900/3855/3865/Core I3/I5/I7	
	Ram:	up to 8GB/ up to 16GB for Core CPU	
	Hardware Monitor:	Monitors voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	SSD: 64GB, up to 512GB	
	O/S:	Windows 10、Linux (J1900 support Win7)	
	Power Supply:	9-24V DC IN(12V/5A power adapter, 9-36V optional)	
	USB:	J1900: 3*USB2.0+1*USB3.0	
I/O Port		Core Gen.6th 7th /3855U/3865U: 4*USB3.0	
	COM:	6*RS232(1~2*RS485/RS422 optional)	
	Ethernet:	2*Intel GbE RJ45 1000M	
	Audio:	1*Line-out+1*Mic	
	Display:	1*VGA, 1*HDMI	
	MiniPCle:	1*MiniPCle(WIFI/BT/3G/4G optional)	
Environmental	GPIO:	1*4in/4out	
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	front IP65	
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
	Working Temp.:	0 C ~50 C , with air flow	
	Storage Temp.:	-30 C ~ 70 C	
Mechanical	Hunmidity:	95% @40 C , non-condensing	
	Dimension:	472.2mm(L)*319.2mm(W)*53.3mm(H)	527mm(L)*317.5mm(W)*54.9mm(H)
	Installation:	VESA stand: 75*75mm & 100*100mm	VESA stand: 75*75mm & 100*100mm
		Embedded installation: 462*309mm	Embedded installation: 520*312mm
	Material:	Fanless High-strength and elegant Al-alloy panel	
	Color:	Silver	

PPC-GS0792T



PPC-GS1092T



Features

- Onboard Cortex-A17 RK3288Quad Core CPU
- 7"support 2*USB2.0+2*COM
- 1*Intel GbE 1000M Lan
- Multi-point capacitive touch screen
- 10"support 2*USB2.0+4*COM
- Support WIFI/BT/GPS/3G/4G

Specificaitons

Display	Display:	7" TFT LCD	10.1" TFT LCD
	Resolution:	800*480	1280*800
	Brightness:	400cd/m²	350cd/m²
	Contrast:	800: 1	
Performance	Touch Screen:	Flat screen with multi-point touch	
	Chipset:	RK3288 SoC Cortex-A17 Quad Core @ 1.8GHz Max	
	Ram:	Onboard 2GB EMMC(4GB optional, MOQ)	
	Hardware Monitor:	Monitor voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	8GB NAND Flash	
	O/S:	Android 5.1.1	
	Power Supply:	12V DC IN(12V5A power adapter)	
	USB:	2*USB2.0	
I/O Port	COM:	2*RS232(可选1*RS485)	4*RS232(1*RS485 optional)
	Ethernet:	1*Intel GbE RJ45 1000M	
	Audio:	1*Line-out/In	
	Display:	1*HDMI	
	WIFI:	support	
	Bluetooth:	4.0	
Environmental	TF slot:	1*TF slot, up to 64GB	
	SIM slot:	1*SIM slot	
	MiniPCle:	1*MiniPCle(3G/4G optional)	
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	Acceleration 10g/11ms	
	IP Level:	front IP65	
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
Mechanical	Working Temp.:	-10 C ~ 50 C , with air flow	
	Storage Temp.:	-20 C ~ 60 C	
	Humidity:	95% @40 C , non-condensing	
	Dimension:	186mm(L)*135mm(W)*45.5mm(H)	268mm(L)*195mm(W)*52.5mm(H)
	Installation:	VESA stand: 75*75mm	
		VESA stand: 100*100mm	
	Material:	Fanless High-strength and elegant Al-alloy panel	
	Color:	Black	

PPC-GS0851T



PPC-GS1051T



Features

- Onboard Intel core/celeron processor
- Industrial wide temperature LCD
- 2*Intel GbE RJ45 1000M
- Five-wire resistive touch screen
- 4*USB+4*COM
- Front IP65(optional)

Specifications

Display	Screen:	8" TFT LCD	10" TFT LCD
	Resolution:	800*600	1024*768
	Brightness:	300cd/m²	350cd/m²
	Contrast:	400: 1	
Performance	Touch Screen:	Five-wire resistive touch screen	
	Chipset:	Support J1900/3855/3865/Core i3/i5/i7	
	Ram:	up to 8GB, up to 16GB for Core CPU	
	Hardware Monitor:	Monitor voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	SSD: 64GB, up to 512GB	
	O/S:	Windows 7、Windows 10、Linux	
	Power Supply:	9-24V DC IN(12V/5A power adapter, 9-36V optional)	
I/O Port	USB:	J1900: 3*USB2.0+1*USB3.0 Core Gen. 6th or 7th i3/i5/i7/3855U/3865U: 4*USB3.0	
	COM:	4*RS232(1*RS485/RS422 optional)	
	Ethernet:	2*RJ45 GbE RJ45 1000M	
	Audio:	1*Line-out+1*Mic	
	Display:	1*VGA, 1*HDMI	
	MiniPCle:	1*MiniPCle(support WIFI/BT/3G/4G optional)	
Environmental	GPIO:	1*4in/4out Optional(Occupy 1*COM port)	1*4in/4out
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	front IP65(optional)	
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
	Working Temp.:	-10 C ~ 50 C , with air flow	
	Storage Temp.:	-20 C ~ 60 C	
Mechanical	Humidity:	95% @40 C , non-condensing	
	Dimension:	228mm(L)*178mm(W)*60.8mm(H)	258mm(L)*198mm(W)*57.5mm(H)
	Installation:	VESA stand: 100*100mm	VESA stand: 100*100mm
		Embedded installation: 213*132mm	Embedded installation: 243*180mm
	Material:	Fanless High-strength and elegant Al-alloy panel	
	Color:	Silver	

PPC-GS1251TA



PPC-GS1551T



Features

- Onboard Intel core/celeron processor
- Industrial wide temperature LCD
- 2*Intel GbE RJ45 1000M
- Five-wire resistive touch screen
- 4*USB+4*COM
- Front IP65(optional)

Specifications

Display	Screen:	12.1" LCD	15" LCD
	Resolution:	1024*768	1024*768
	Brightness:	350cd/m²	300cd/m²
	Contrast:	800: 1	1500: 1
Performance	Touch Screen:	Five-wire resistive touch screen	
	Chipset:	Support J1900/3855/3865/Core i3/i5/i7 CPU	
	Ram:	up to 8GB	
	Hardware Monitor:	Monitors voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	SSD: 64GB, up to 512GB	
	O/S:	Windows 7、Windows 10、Linux	
	Power Supply:	9-24V DC IN(12V/5A power adapter, 9-36V optional)	
I/O Port	USB:	J1900: 3*USB2.0+1*USB3.0 Core Gen. 6th 7th i3/i5/i7/3855U/3865U: 4*USB3.0	
	COM:	4*RS232(1*RS485/RS422 optional)	4*RS232(1~2*RS485/RS422 optional)
	Ethernet:	2*Intel GbE RJ45 1000M	
	Audio:	1*Line-out+1*Mic	
	Display:	1*VGA, 1*HDMI	
	MiniPCle:	1*MiniPCle(WIFI/BT/3G/4G module)	
Environmental	GPIO:	1*4in/4out	1*4in/4out optional(Occupy 1 COM port)
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	front IP65(optional)	
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
	Working Temp.:	-10 C ~ 50 C , with air flow	
	Storage Temp.:	-20 C ~ 60 C	
Mechanical	Humidity:	95% @40 C , non-condensing	
	Dimension:	317mm(L)*246mm(W)*65.7mm(H)	380mm(L)*300mm(W)*59mm(H)
	Installation:	VESA stand: 100*100mm	VESA stand: 100*100mm
		Embedded installation: 309*193mm	Embedded installation: 352*232mm
	Material:	Fanless High-strength and elegant Al-alloy panel	
	Color:	Silver	

PPC-GS1751T



PPC-GS2151T



Features

- Onboard Intel core/celeron processor
- Industrial wide temperature LCD
- 2*Intel GbE RJ45 1000M
- Five-wire resistive touch screen
- 4*USB+4*COM
- Front IP65(optional)

Specifications

Display	Screen:	17" TFT LCD	21.5" TFT LCD
	Resolution:	1280*1024	1920*1080
	Brightness:	250cd/m²	
	Contrast:	1000: 1	
Performance	Touch Screen:	Five-wire resistive touch screen	
	Chipset:	Support J1900/ 3855/3865/Core i3/i5/i7	
	Ram:	up to 8GB	
	Hardware Monitor:	Monitors voltage, CPU, TEMP	
	Watchdog Timer:	0-255 sec by software	
	Storage:	SSD: 64GB, up to 512GB	
	O/S:	Windows 7、Windows 10、Linux	
	Power Supply:	9-24V DC IN(12V/5A power adapter, 9-36V optional)	
I/O Port	USB:	J1900: 3*USB2.0+1*USB3. Core Gen 6th 7th i3/i5/i7/3855U/3865U: 4*USB3.0	
	COM:	4*RS232(1~2*RS485/RS422 optional)	
	Ethernet:	2*Intel GbE RJ45 1000M	
	Audio:	1*Line-out+1*Mic	
	Display:	1*VGA, 1*HDMI	
	MiniPCle:	1*MiniPCle(support WIFI/BT/3G/4G)	
Environmental	GPIO:	1*4in/4out optional(Occupy 1 COM)	
	Anti-vibration:	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	
	Anti-shock:	acceleration 10g/11ms	
	IP Level:	front IP65(optional)	
	Reliability:	MTBF≥5000h; MTTR≤0.5h	
	Working Temp.:	-10 C ~ 50 C , with air flow	
	Storage Temp.:	-20 C ~ 60 C	
Mechanical	Humidity:	95% @40 C , non-condensing	
	Dimension:	400mm(L)*320mm(W)*59mm(H)	525mm(L)*316mm(W)*57mm(H)
	Installation:	VESA stand: 100*100mm	VESA stand: 100*100mm
		Embedded installation: 369*248mm	Embedded installation: 503*248mm
	Material:	Fanless High-strength and elegant Al-alloy panel	
	Color:	Silver	

PC-GS3051A



Features

- Onboard Intel Celeron J1900 CPU
- Fully sealed fanless design
- 4*USB+4*COM
- 2*Intel GbE RJ45 1000M
- 1*VGA+1*HDMI

Specifications

Performance	Chipset:	Onboard Intel Celeron J1900
	Ram:	2GB or 4GB ram
	Hardware monitor:	Monitors voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
	Storage:	SSD
	O/S:	Win 7、 Win 10、 Linux
I/O	Power Supply:	9-24V DC IN(12V/5A power adapter)
	USB:	3*USB 2.0+1*USB 3.0
	COM:	4*RS232(1-2*RS482/RS422 optional)
	Ethernet:	2*Intel GbE RJ45 1000M
	Audio:	1*Line-out+1*Mic
	Display:	1*VGA
Environmental	MiniPCle:	1*MiniPCle(support WIFI/BT/3G/4G)
	GPIO:	1*4in/4out
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	acceleration 10g/11ms
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-25 C ~60 C , with air flow
Mechanical	Storage Temp.:	-40 C ~70 C
	Humidity:	95% @40 C , non-condensing
	Dimension:	208mm (L) *154 mm (W) *40mm(H)
	Material:	High-strength & elegant Al-alloy, fanless design
	Weight:	1.1kg/1.3kg(N.W/G.W)
	Color:	Black

PC-GS3151A



Features

- J1900/3855/3865/Core i3/i5/i7 CPU
- Fully sealed fanless design
- RAM: 2GB DDR3/DDR4
- 6*USB+6*COM
- 2*Intel GbE RJ45 1000M
- 1*VGA+1*HDMI

Specifications

Performance	Chipset:	J1900/3855/3865/Core i3/i5/i7 CPU
	Ram:	J1900: 2GB DDR3, up to 8GB 3855U/3865U/Core: 2GB DDR4, up to 16GB
	Hardware Monitor:	Monitor voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
	Storage:	SSD: 64GB, up to 512GB
	O/S:	Windows 10、 Linux (J1900 can support Win7)
I/O	Power Supply:	9-24V DC IN(12V/5A power adapter)
	USB:	J1900: 5*USB2.0+1*USB3.0 Core i3/i5/i7/3855U/3865U: 2*USB2.0+4*USB3.0
	COM:	6*RS232
	Ethernet:	2*Intel GbE RJ45 1000M
	Audio:	1*Line-out+1*Mic
	Display:	1*VGA, 1*HDMI
Environmental	MiniPCle:	1*MiniPCle(support WIFI/BT/3G/4G)
	GPIO:	1*4in/4out(Occupy 1*DB9)
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	Acceleration 10g/11ms
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-20 C ~70 C , with air flow
Mechanical	Storage Temp.:	-30 C ~80 C
	Humidity:	95% @40 C , non-condensing
	Dimension:	180mm(L)*148mm(W)*55mm(H)
	Material:	High-strength & elegant Al-alloy, fanless design
	Weight:	1.1kg/1.3kg(N.W/G.W)
	Color:	Black

PC-GS5052A



Features

- J1900/3855/3865/Core i3/i5/i7 CPU
- Fully sealed fanless design
- RAM: 2GB DDR3/DDR4
- 6*USB+6*COM
- 2*Intel GbE RJ45 1000M
- 1*VGA+1*HDMI

Specifications

Performance	Chipset:	J1900/3855/3865/Core i3/i5/i7 CPU
	Ram:	J1900: 2GB DDR3, up to 8GB 3855U/3865U/Core: 2GB DDR4, up to 16GB
	Hardware Monitor:	Monitor voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
	Storage:	SSD: 64GB, up to 512GB
	O/S:	Windows 10、 Linux (J1900 support Win7)
I/O	Power Supply:	9-24V DC IN (12V/5A power adapter, 9-36V DC optional)
	USB:	J1900: 5*USB2.0+1*USB3.0 Core i3/i5/i7/3855U/3865U: 2*USB2.0+4*USB3.0
	COM:	6*RS232(1~2*RS485/RS422 optional)
	Ethernet:	2*Intel GbE RJ45 1000M
	Audio:	1*Line-out+1*Mic
	Display:	1*VGA, 1*HDMI
Environmental	MiniPCle:	1*MiniPCle(support WIFI/BT/3G/4G)
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	acceleration 10g/11ms
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-20 C ~70 C , with air flow
	Storage Temp.:	-30 C ~80 C
Mechanical	Humidity:	95% @40 C , non-condensing
	Dimension:	211.5mm(L)*200mm(W)*67mm(H)
	Material:	High-strength & elegant Al-alloy, fanless design
	Weight:	2.6kg/4.0kg(N.W/G.W)
	Color:	Black

PC-GS5071A-4P



Features

- 3855U/3865U/Core i3/i5/i7
- Fully sealed fanless design
- RAM: 4GB DDR4
- 6*USB+2*COM
- 5*Intel GbE RJ45 1000M, including 4xPOE
- 1*Line-out+1*SIM slot

Specifications

Performance	Chipset:	3855U/3865U/Core i3/i5/i7
	Ram:	4GB DDR4, up to 16GB
	Hardware Monitor:	Monitor voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
	Storage:	SSD: 64GB, up to 512GB
	O/S:	Windows 10、 Linux
I/O	Power Supply:	9-36V DC IN(12V/5A power adapter)
	USB:	2*USB3.0 + 4*USB2.0
	COM:	2*RS232(1~2*RS485/RS422 optional)
	Ethernet:	5*Intel GbE RJ45 1000M(including 4*POE)
	Display:	1*VGA, 1*HDMI
	GPIO:	1*16 in/16out
Environmental	SIM slot:	1*SIM slot
	PS/2:	1*PS/2
	Extension:	1*MiniPCle(Support WIFI/BT/3G/4G)
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	acceleration 10g/11ms
	Reliability:	MTBF≥5000h; MTTR≤0.5h
Mechanical	Working Temp.:	-20 C ~70 C , with air flow
	Storage Temp.:	-30 C ~80 C
	Humidity:	95% @40 C , non-condensing
	Dimension:	211.5mm(L)*200mm(W)*67mm(H)
	Material:	High-strength & elegant Al-alloy, fanless design
	Weight:	1.8kg/2.3kg(N.W/G.W)

PC-GS6065P4



Features

- Intel ®H81 Chipset, support Intel Gen.4th Core CPU
- excellent dustproof, heat dissipation and anti-vibration
- 2*SO-DIMM DDR3
- 6*USB+6*COM
- 2*Intel GbE RJ45 1000M
- 1*PCle X16+3*PCI

Specifications

Performance	Chipset:	Intel® H81 Express Chipset 4th Generation Intel® Core processors
	Ram:	4GB DDR3 SO-DIMM, up to 16GB
	Hardware Monitor:	Monitor voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
	Storage:	SSD: 64GB, up to 512GB(HDD optional)
	O/S:	Windows 7、 Windows 10、 Linux
I/O	Power Supply:	9-36V DC IN
	USB:	2*USB3.0 + 4*USB2.0
	COM:	6*RS232(1~2*RS485/RS422 optional)
	Ethernet:	2*Intel GbE RJ45 1000M
	Display:	1*VGA
	GPIO:	1*4in/4out
Environmental	PS/2:	1*PS/2
	LPT:	1*LPT
	Extension:	1*MINI PCle, 1*PCle16, 3*PCI
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	acceleration 10g/11ms
	Reliability:	MTBF≥5000h; MTTR≤0.5h
Mechanical	Working Temp.:	-20 C ~70 C , with air flow
	Storage Temp.:	-30 C ~80 C
	Humidity:	95% @40 C , non-condensing
	Dimension:	222mm(L)*235mm(W)*209mm(H)
	Material:	Al-alloy casing
	Weight:	3.5kg/4.5kg(N.W/G.W)

PC-GS6801D



Features

- Intel ®H81 Chipset, support Intel Gen.4th Core CPU
- ATX power supply 220V AC IN, 300W, CCC certificated
- 2*U-DIMM DDR3, 14*USB+10*COM
- 2*Intel GbE RJ45 1000M
- Metal structure with dustproof, heat dissipation and anti-vibration performance

Specifications

Performance	Chipset:	Intel® H81 Express Chipset 4th Generation Intel® Core/Celeron processors
	Ram:	2*U-DIMM DDR3, up to 16GB
	Hardware Monitor:	Monitor voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
	Storage:	1*3.5" HDD
	O/S:	Windows 10、 Linux
I/O	Power Supply:	ATX power supply 220V AC IN, 300W
	USB:	2*USB3.0 + 12*USB2.0
	COM:	10*RS232
	Ethernet:	2*Intel GbE RJ45 1000M
	Display:	1*VGA, 1*HDMI
	Audio:	1*Line-out+1*Mic
Environmental	PS/2:	1*PS/2
	Extension:	1*MiniPCle(support WIFI/BT/3G/4G)
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	acceleration 10g/11ms
	Reliability:	MTBF≥5000h; MTTR≤0.5h
	Working Temp.:	-20 C ~70 C , with air flow
Mechanical	Storage Temp.:	-30 C ~80 C
	Humidity:	95% @40 C , non-condensing
	Dimension:	355mm(L)*200mm(L)*130mm(H)
	Material:	Metal structure
	Weight:	6.58kg/8.29kg(N.W/G.W)
	Color:	Black

IPC-GS8410



Features

- 19" Rackmount IPC, support ATX/MATX and full size card
- Reinforcement ribs at side to strengthen the chassis
- ATX power
- guide rails air filter design is convenient to draw & replace the air filter
- Folding design of optical drive part & closely fits the chassis to strengthen anti-radiation ability

Specifications

Perform- ance	Motherboard:	PICMG 1.0 full size card·PICMG 1.3 、Micro-ATX·ATX Motherboard
	backplate:	14 slots PICMG 1.0 backplate, 10 slots PICMG 1.3 backplate
	Storage:	2*5.25"CD-ROM+8*3.5"HDD(shock-absorbing)
	Power:	PS2 ATX power
I/O	I/O:	2*USB 2.0+ATX power+reset power·HDD light·safety door with locker
Environ- mental	Environmental:	0℃～50℃；5%～90%(non-condensing)
	Storage:	-20℃～60℃；5%～90%(non-condensing)
Mechan- ical	Dimension:	427mm(D)*450mm(W)*177mm(H)

Ordering information

IPC-GS8410/PICMG1.0 G4/E5300/2G/500G	4U·19"IPC-GS8410 /G41 full card/E5300/2G ram/500G HDD/ATX 300W Power /IPC-6113LP4
IPC-GS8410/ATX G41/E5300/2G/500G	4U·19"IPC-GS8410/G41 ATX motherboard/E5300/2G ram /500G HDD/ATX 300W power/5*PCI/1*PCle X16

IPC-GS6807



Features

- 7 slots wall-mounted chassis
- Support ATX/MATX motherboard
- thickened steel plate to strengthen casing compression
- guide rails air filter design is convenient to draw & replace the air filter
- Folding design of optical drive part & closely fits the chassis to strengthen anti-radiation ability

Specifications

Perform- ance	Motherboard:	Micro-ATX and ATX motherboard
	Storage:	1*5.25"CD-ROM+3*3.5"HDD(shock-absorbing)
	Power Supply:	PS2 ATX power(300W)
I/O	I/O:	Front: 2*USB2.0+ATX on/off·reset·power·hard disk light·safety door with locker
Environ- mental	Working Temp.:	0℃～50℃；5%～90%(non-condensing)
	Storage Temp.:	-20℃～60℃；5%～90%(non-condensing)
Mechan- ical	Dimension:	405mm(D)*330mm(W)*195mm(H)

Ordering information

IPC-GS6807/H61 or B85/1155Pin Gen.2·3th CPU/Ram/HDD	Wall-mounted IPC-GS6807/H61 /1155 Pim Gen.2·3 the intel celeron, i3, i5, i7CPU/2G ram(or others)/500G HDD (others)/ATX 300W power/5*PCI+2*PCIE
IPC-GS6807/H61 or B85/1150 Pin CPU/Ram/HDD	Wall-mounted IPC-GS6807/H81/1150 pin intel celeron Gen 4th , i3, i5, i7CPU/2G ram (others)/500G HDD(others)/ATX 300W power/4*PCI+3*PCIE
IPC-GS6807/H110 micro ATX/Gen 6th CPU/Ram/HDD	Wall-mounted IPC-GS6807/H110/intel Gen. 6th Celeron, i3, i5, i7CPU/2G ram(or others)/500G HDD(or others)/ATX 300W Power/1*PCI+3*PCIE

IPC-GS6804K



Features

- Support special ATX industrial board, minimum size of IPC
- Rich PCI and PCI-E expansion slots + Rich I/O
- ATX industrial power supply
- Bottom or side stand, horizontal/vertical dual optional installation mode

Specifications

Perform- ance	Chipset:	Intel® B75 Chipset
	Ram:	Max 16G
	Hardware Monitor:	Monitor voltage, CPU, TEMP
	Watchdog Timer:	0-255 sec by software
I/O	Storage:	1*SATA 2.5"shock-absorbing/removable hard drive 1*SATA SSD hard drive in reserved for security 1*ultra-thin optical drive on front optional
	Power Supply:	ATX power 300W
	O/S:	Windows XP/7/8/8.1/10/XPE·WES7·Linux·Ubuntu
I/O	USB:	10*USB 2.0(8 external, 2 Pins)
	COM:	6*RS232(1-2*RS485/RS422 optional)
	Ethernet:	2* 100/1000Mbps RJ45, I211AT
	Audio:	1*line out/Mic in
	Display:	External: 1*VGA+1*DVI-D Internal: 1* LVDS dual channel 24 bits
Environ- mental	Port:	1*PS/2 Keyboard/mouse, 1*8 GPIO, 1*LPT
	Expansion:	2*PCI+1*PCI-E*4+1*PCI-E*16, 4*PCI(optional)
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	10g acceleration, 11ms cycle
	Reliability:	MTBF≥50000h; MTTR≤0.5h
Mechan- ical	Working Temp.:	0℃～50℃ 5%～90%(non-condensing)
	Strage Temp.:	-20℃～60℃；5%～90%(non-condensing)
	Humidity:	95% @40℃, non-condensing
	Dimension:	238mm (L) *330.3mm (W) *139mm(H)
	Color:	Industrial Black

Rackmount PC, Monitor & Motherboard

PDS-GS1001T



Features

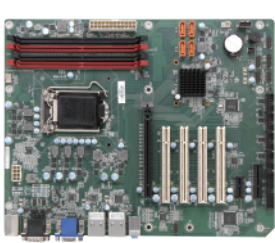
- 10" industrial LCD
- Five-wire resistive touch
- High-strength & elegant Al-alloy panel
- Fully sealed fanless design
- High durability and reliability

Specifications

Display	Screen:	10" TFT LED
	Resolution:	1024*768
	Brightness:	350 cd/m²
	Contrast:	400: 1
O/S	Touch Screen:	Five-wire resistive touch screen
	Power Supply:	100~240V AC/50~60Hz(power adapter)/12V DCIN
I/O	Power consumption:	5W(standby mode)
Environ- mental	IO:	1*USB 2.0 touch interface, 1*VGA
	Anti-vibration:	5-19Hz/1.0mm amplitude 19-200Hz/1.0g acceleration
	Anti-shock:	10g acceleration, 11ms cycle
	IP Level:	front IP65(optional)
Mechan- ical	Reliability:	MTBF≥50000h; MTTR≤0.5h
	Working Temp.:	-10℃～50℃ @ 5～85% RH. with air flow
	Storage Temp.:	-20℃～60℃
	Humidity:	95% @40℃, non-condensing
	Dimension:	380mm(L) *300mm(W) *40mm(H)
	Material:	Al-alloy panel, fanless design
	Weight:	0.9Kg/1.9Kg(N.W/G.W)

Support Customization from 8"-21.5"

ATX-GS0110Y



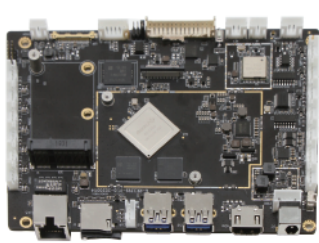
Features

- Supports Intel LGA 1151 Socket 6/7th Generation Core™ i3, i5, i7 & Pentium/Celeron Processors
- Support 4×DDR4 1866/2133/2400MHz, MAX.32GB
- Provide 1*PCle X16, 1*PCle X4, 1*PCle X1, 4*PCI, 1*mSATA
- Provide 4*USB3.0, 6*USB2.0

Specifications

Main Feature	OS:	Win 7/8/10/Linux
	CPU:	Supports Intel LGA 1151 Socket 6/7 th Generation Core™ i3, i5, i7 & Pentium/Celeron Processors
	Chipset:	INTEL® H110 Chipset
	Memory:	Support 4×DDR4 1866/2133/2400MHz, MAX.32GB
I/O	BIOS:	AMI 64MB DIP Flash ROM
	Power:	ATX power supply
	LAN:	2* Intel I219+210 Gigabit LAN
	USB:	10*USB 3.0/2.0(4 USB3.0 +2 USB2.0 distribute in back panel, 6 distribute in mid-board)
I/O	Storage port:	4* SATA connectors
	Expansion Slots:	1* PClex1 slot, 1* PCle X4 slot 1* PClex16 slot, 4* PCI Solts
	Audio:	ALC892: 1* Mic-in, 1*Line-in, 1*Line-out
	Back Panel I/O:	4* USB 3.0 ports, 2* USB 2.0 ports 2* RJ-45 ports, 1* PS/MS port 2*COM ports(1 Support RS485/RS422/RS232, 2 Support RS485/RS232) 1* VGA port, 1920*1080@60HZ 1* HDMI port, 4096*2304@60HZ 3* Audio port
Others	Internal I/O:	2* USB 2.0 headers for 3 USB 2.0 ports 1* USB 2.0 for Encryption inside 4*COM headers, 1*Parallel header 1 *24-pin ATX 12V Power connector 1 *8-pin ATX 12V Power connector 1 *8 Bit GPIO header, 1 * Audio header
	PCB:	ATX Form Factor(305mm X 220mm)
	Storage temp.:	-20℃～85℃；10%～90%(no-condensing)
	Operation temp.:	0℃～60℃，10%～90%(no-condensing)

A-RK3399



Features

- Onboard ARM Cortex dual core A72 2.0Ghz RK3399 + Quad core A53 1.6GHz
- 1*HDMI+1 * LVDS; support dual display
- 4*RS232+7*USB2.0+1*MINI-PCIE support LTE(4G)
- 3.5 inch board, Android 7.1.2 OS

Specifications

Main Feature	O/S:	Android 7.1.2
	CPU:	FCBGA828/0.65mm/28nm, 21mm x 21mm RK3399 SOC Cortex dual core A72 2.0GHZ+quad-core A53
	GPU:	Mali854 650M325M Tri/Sec2600M pixel/sec
	Ram:	LPDDR3 onboard 4GB
I/O	Storage:	EMMC 16GB (8GB/16GB/32GB/64GB optional) 1*SATA Port , support 5V power
	Power:	DC12V/2A (with DC-JACK+1*4pin Wafer co-lay)
	Display:	eDP 1.3x1; support HDMI2.0 LVDS support single and dual channel, 18bit, 24bit , 1920*1200 dual channel, 1600*1200 single channel
	Ports:	Support infrared remote control 7*USB HOST, 2* external USB3.0/2.0(1 support OTG Pin) 5* inbuilt USB2.0 Pin; TF slot 4*RS232, 1 support RS485 6*IO inspection port(support I2C port), Support infrared remote control, D class speaker, 6W*24R support
Network	Network:	earphone out+ Mic In, 3.5mm Jack; reserved Pin 1*RJ45 1000M BT+WiFi, support Wi-Fi 802.11a/b/g/n/ac 2.4G/5G dual channel (optional) support BT 4.0 protocol, dual antennas Mini PCIe slot; SIM slot 25mm*15mm Support USB and PCIe signal to expand
	GPS:	GPS: inbuilt GSP, sensibility: -159dBm receiving frequency: 1575.42MHz satellite
	Watchdog Timer:	support hardware watchdog
	Others	PCB: 3.5 inch, 146mm*102mm , Height 15mm, Black Environ- ment: Working Temp.: -10℃-60℃ Storage Temp.: -20℃-70℃