

INYUDA PRODUCT BROCHURES

OPS Computer/ Mini Computers/ Industrial PC

Shenzhen Inyuda Intelligent Technology Co., Ltd.
Guangdong Dieyun Intelligent Control Technology Co., Ltd.



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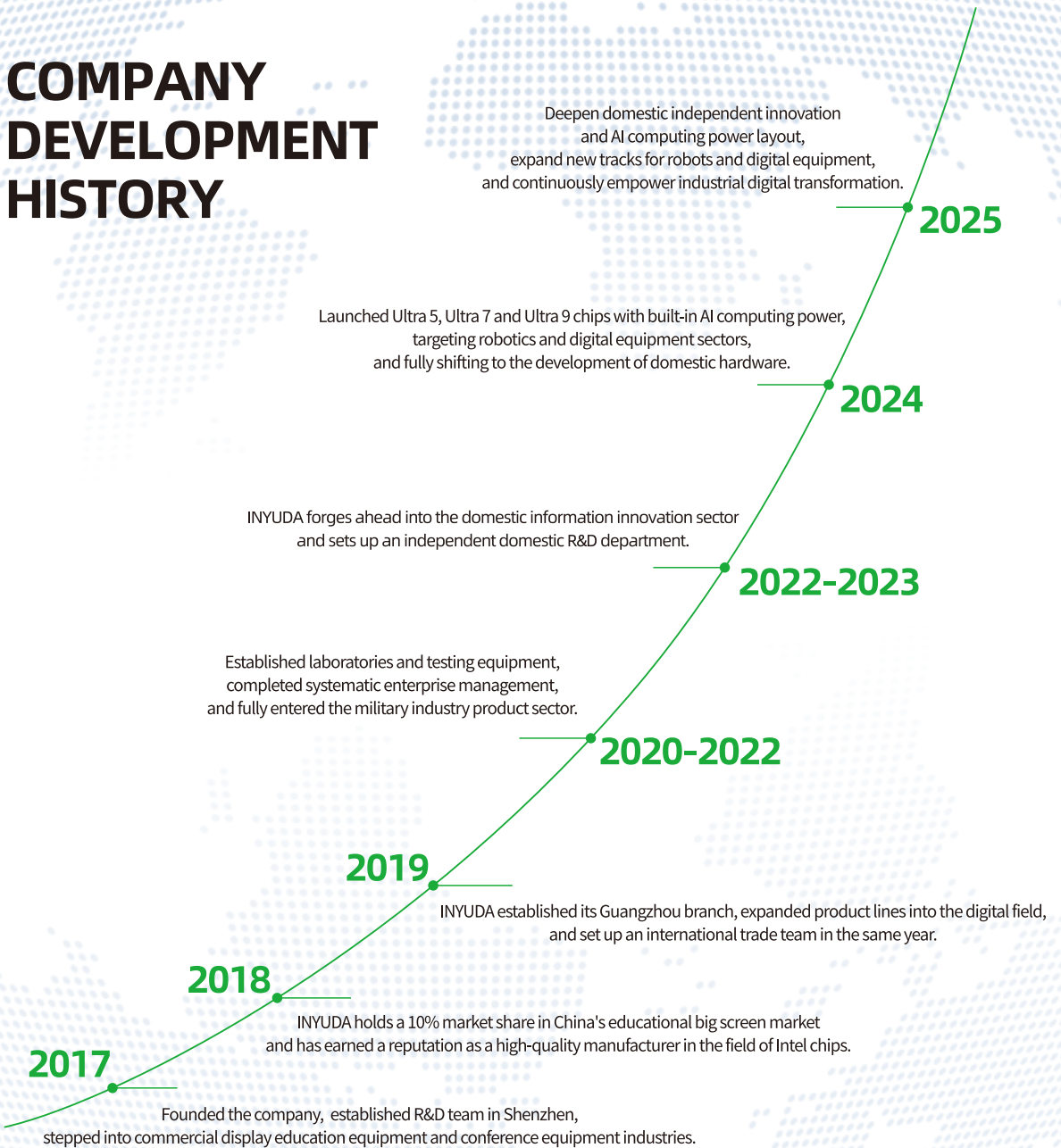
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COMPANY DEVELOPMENT HISTORY





Shenzhen INYUDA Intelligent Technology Co, Ltd. is an innovative high-tech enterprise dedicated to the research and development, production and sales of computer boards and system equipment. The company is located in Shenzhen City, Guangdong Province, where innovative talents gather. Since its inception, the company has been concentrating on the R&D, design and production of OPS computer motherboards, embedded computer motherboards, and system equipment. The products are mainly used in schools, airports, high-speed rail stations, large shopping malls, conferences and hotels, etc. The products cover a wide range of industry sectors, such as education, advertising, network security and so on.

INYUDA has a strong R & D technical team, R & D engineers have several years of experience in this industry. With professional, efficient, accurate, honest service concept, standing in the customer's position to see the problem, immediate response, efficient service to customers, to provide customers with a high degree of fit, high-quality products; strategic cooperation, win-win development concept, with customers to research and optimize the industry's innovative solutions for customers to win more customers to do security. INYUDA highly concerned about market developments, constantly review the merits and shortcomings of enterprise development, and constantly improve and upgrade products to maintain the core competitiveness of the enterprise, with high efficiency, innovation, pragmatism, professionalism of the enterprise purpose, with high quality, high value-added products and efficient service to actively promote and optimize the industry as a whole solution, and strive to build INYUDA to become a trusted partner for our customers and a well-known brand. Welcome to INYUDA!

R&D team



Static Test

Tests and collects some data on motherboards under the influence of external high voltage electricity.



Vibration equipment

Simulate the transportation environment to ensure the structural stability of the product.



Harsh environment testing Machines

To simulate customers running machines in harsh environments.

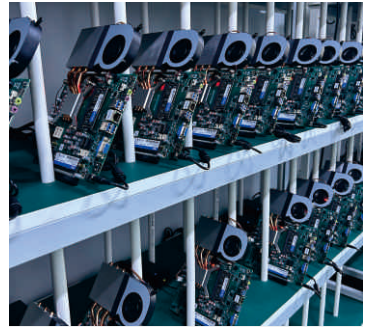
Dust-free Workshop



Assembly line
5 assembly lines



IQC inspection line
1 line for finished product
inspection



Product aging room
24/72 hours aging test
before pack-up



Desktop Computers
Finished Product Testing

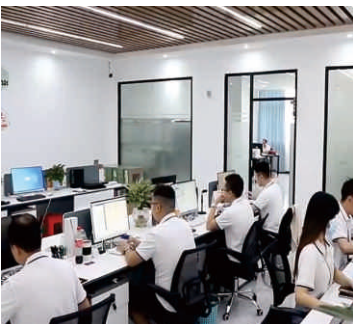


OPS Complete Machines
Finished Product Testing



OPS Complete Machines
Under Strict Assembly

Office Area



R&D Team

R&D engineers have been engaged in PCB hardware development for more than 8 years on average.



Certificate Display Wall

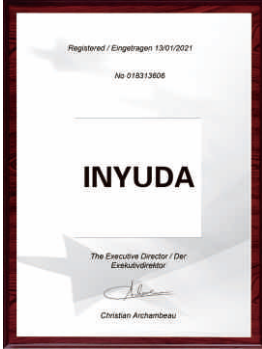
With 3C, FC, ROHS, CE, ISO-9001 environmental protection, energy saving, national military standard and other types of certificates.



Marketing Team

Professional sales skills, the team has technical support to provide customers with good service and high quality products.

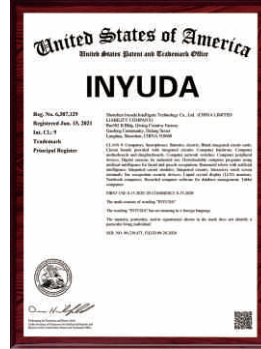
Honor and Certificate Demonstrate strength



EUIPO
Certificate Of Registration



National CCC Certification



United States of America
United States Patent and
Trademark Office



National Energy Conservation
Certification



ISO9001 Quality Control
System Certificate



CE Certificate



FCC Certificate



RoHS Certificate



National High-tech Enterprise

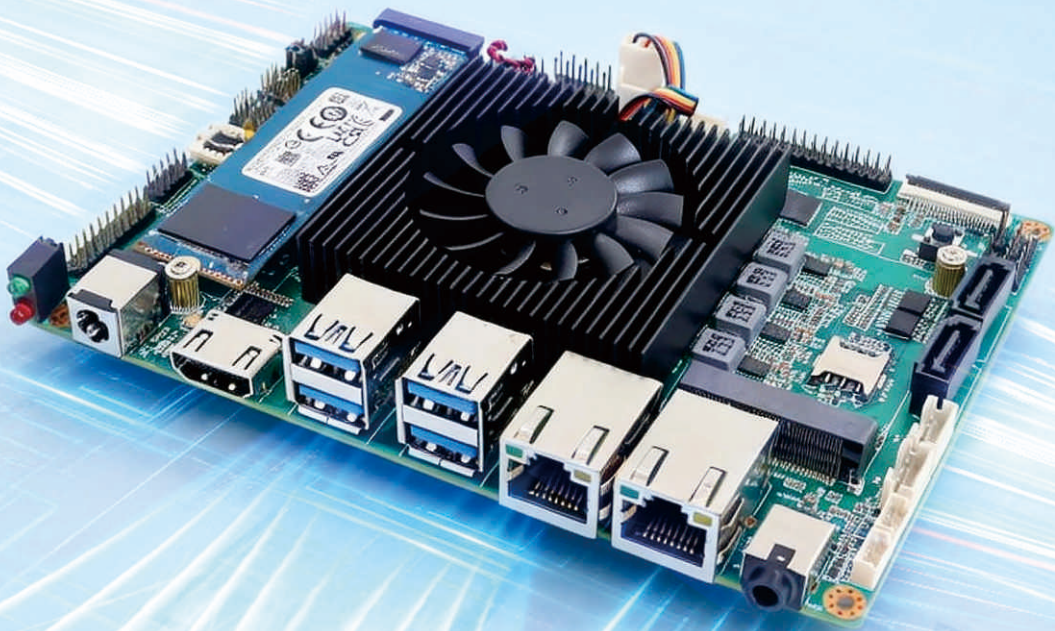


China Independent Innovation Brand

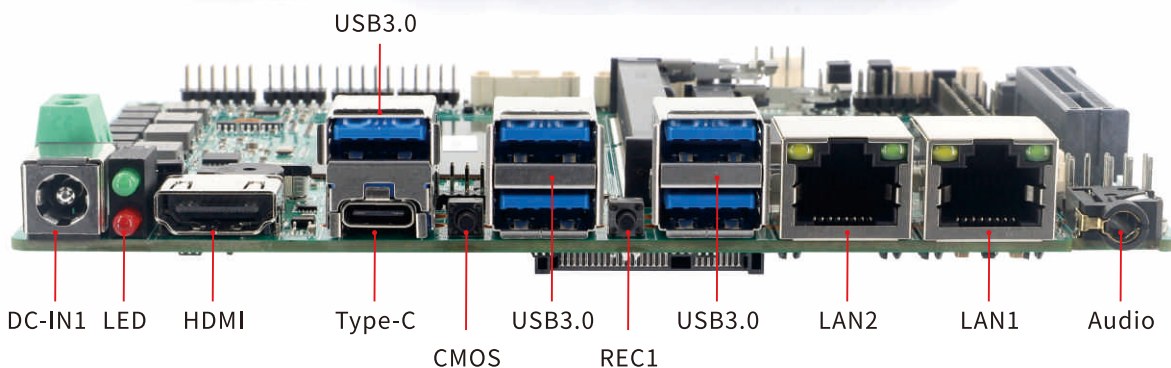
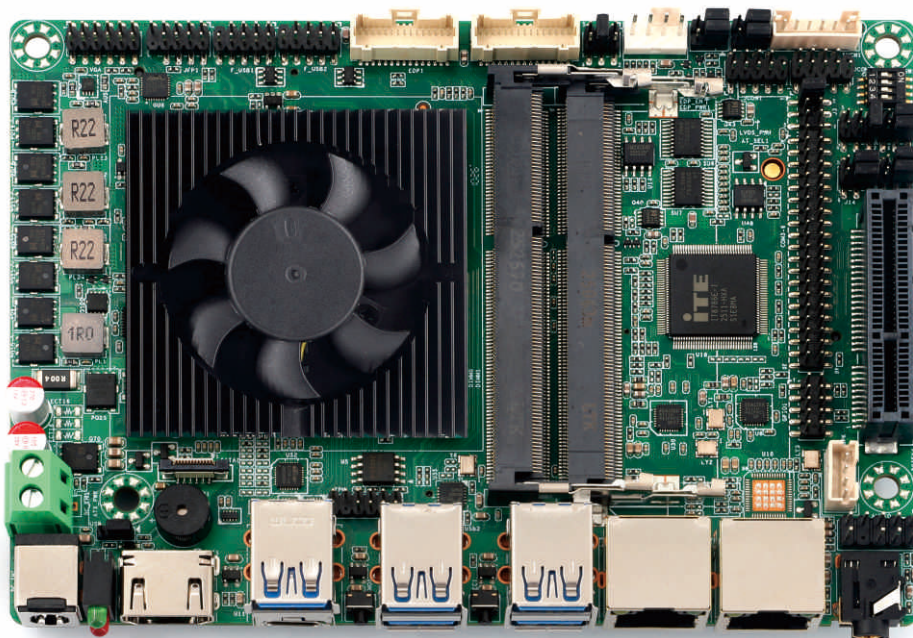


China Microcomputer Industry Characteristic
Franchise Brand

ITX Motherboard Series



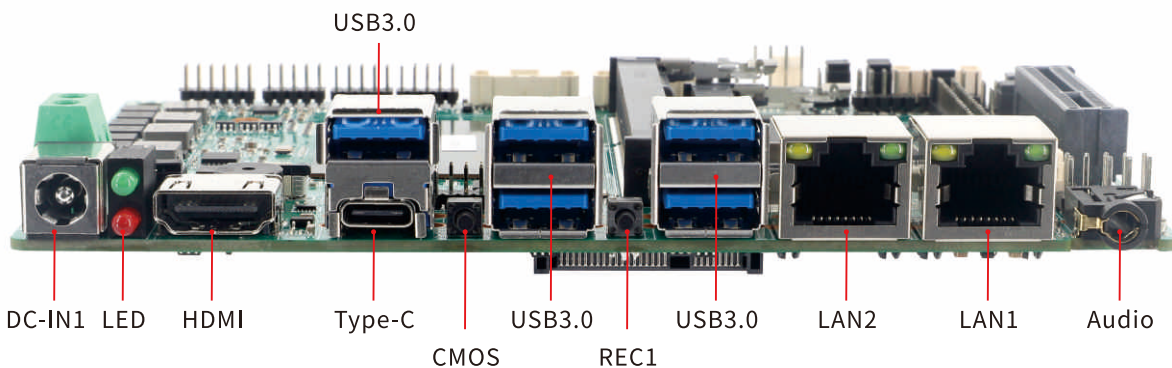
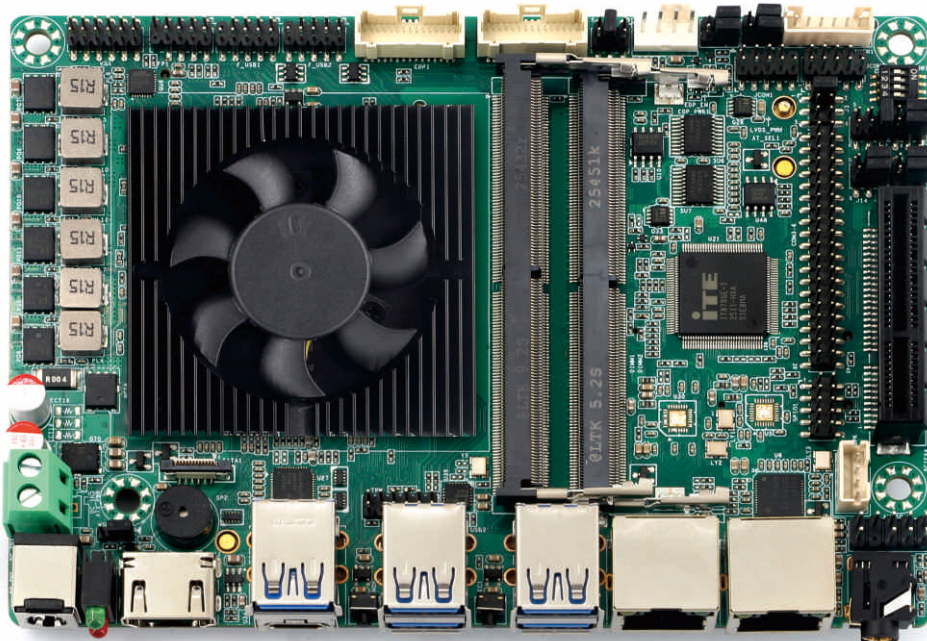
DY35-M6/7/8U



Parameters

Model	DY35-M678U V0.1	Net	2*RTL8111H 1G Ethernet Optional 2 Intel I226-V 2.5G NIC
CPU	FCBGA1356 , 6/7/8 Gen CPU	USB	5*USB3.0 + 5*USB2.0
GPU	Intel UHD Graphics	COM	6*COM ports, COM1-2 support RS232/RS485 COM3-6 support RS232
Output	IO:HDMI, Pin:VGA/LVDS/EDP	IOChip	IT8786E-ILQFP-128
RAM	2*DDR3 SO-DIMM 1600MHz, Max 16G	Power	DC 12V, optional 11V-27V
Storage	1*MSATA,	Cooling	Built-in CPU cooler with 4PIN fan header
Slot	1*M.2 E-Key2230(Wifi/BT) 1*PCIe x4	Env	Operating: 0~60°C, Storage: -20~60°C non-condensing
Audio	1*Realtek ALC897 HD Audio		

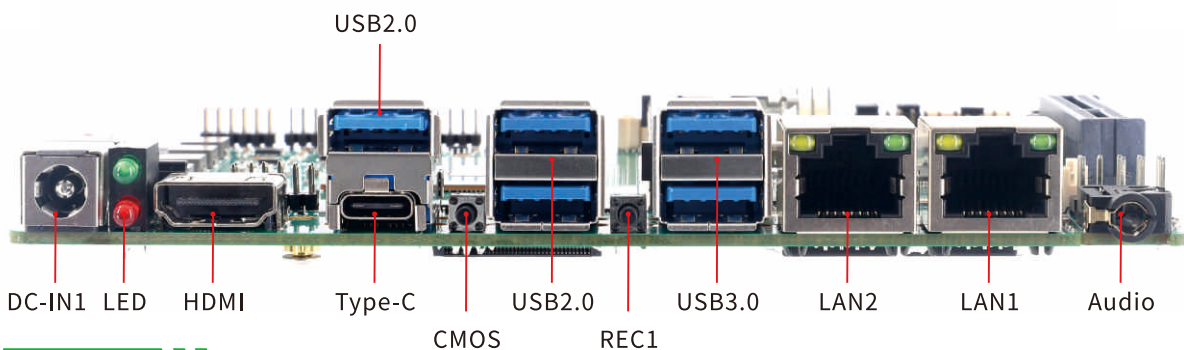
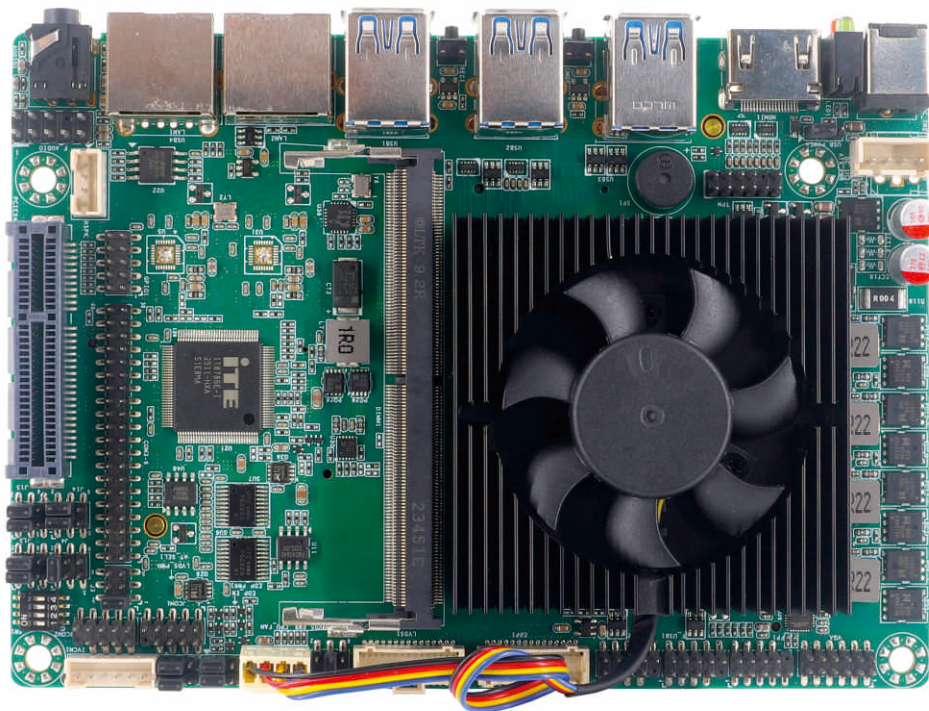
DY35-M12/13U



Parameters

Model	DY35-M1213U V0.1	Audio	1*Realtek ALC897 HD Audio
CPU	FCBGA1744 socket, 12/13Gen U/P/H CPU	Net	2*Intel I226-V 2.5G Ethernet Optional 2*RTL8111H 1G LAN
GPU	Intel UHD Graphics	USB	6*USB3.0 + 4*Internal USB2.0
Output	IO:HDMI, Pin:VGA/LVDS/EDP	COM	6*COM ports, COM1-2: RS232/RS485 COM3-6: RS232
RAM	2*DDR5 SO-DIMM 12Gen:4800MHz Max64G 13Gen:5200MHz Max96G	IOChip	IT8786E-I LQFP-128
Storage	1*M.2 M-Key2280(NVMe/SATA)	Power	12V DC in, 11V-27V optional
Slot	1*M.2 E-Key2230(Wifi/BT) 1*PCIe x4	Cooling	Built-in CPU cooler with 4PIN fan header
		Env	Operate:0~60°C, Store:-20~60°C, Non-condensing

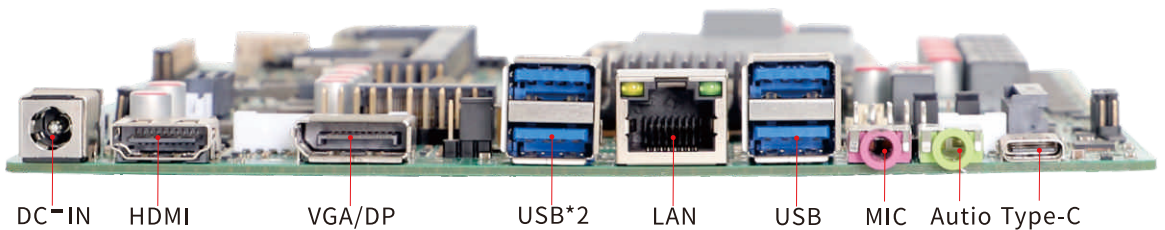
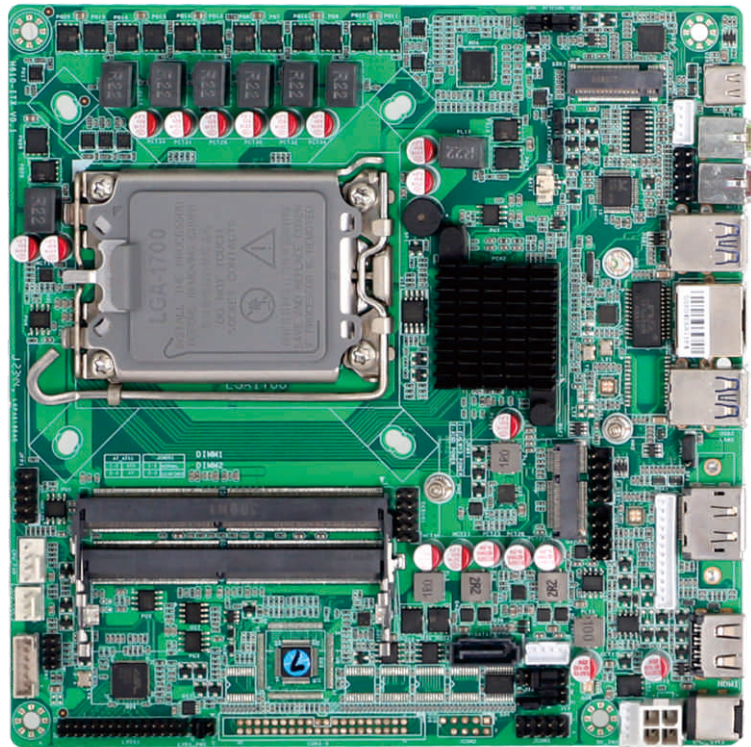
DY35-N Series



Parameters

Model	DY35-ALDN V0.1	Audio	1*Realtek ALC897 HD Audio
CPU	Supports full series N95/N97/N100/N150/ N200/N250/N300/N305 CPU	Net	2*Intel I226-V 2.5G LAN Optional 2*RTL8111H 1G LAN
GPU	Intel UHD Graphics	USB	2*USB3.0+8*USB2.0
Output	IO:HDMI, Pin:VGA/LVDS/EDP	COM	6*COM, COM1-2:RS232/422/485, COM3-6:RS232
RAM	1*DDR5 SO-DIMM 4800MHZ, Max16G	IOChip	IT8786E-I LQFP-128
Storage	1*M.2 M-Key2280(NVMe/SATA)	Power	12V DC, 11V-27V optional
Slot	1*M.2 E-Key2230(Wifi/BT) 1*PCIe x4	Cooling	Built-in CPU cooler with 4PIN fan
		Env	Op:0~60°C, Sto:-20~60°C, Non-condensing

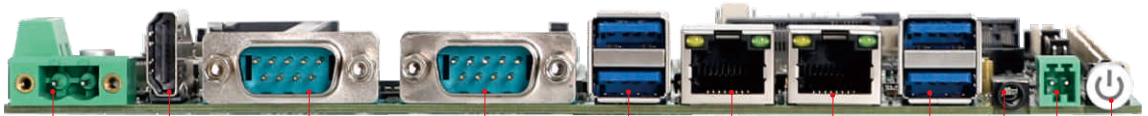
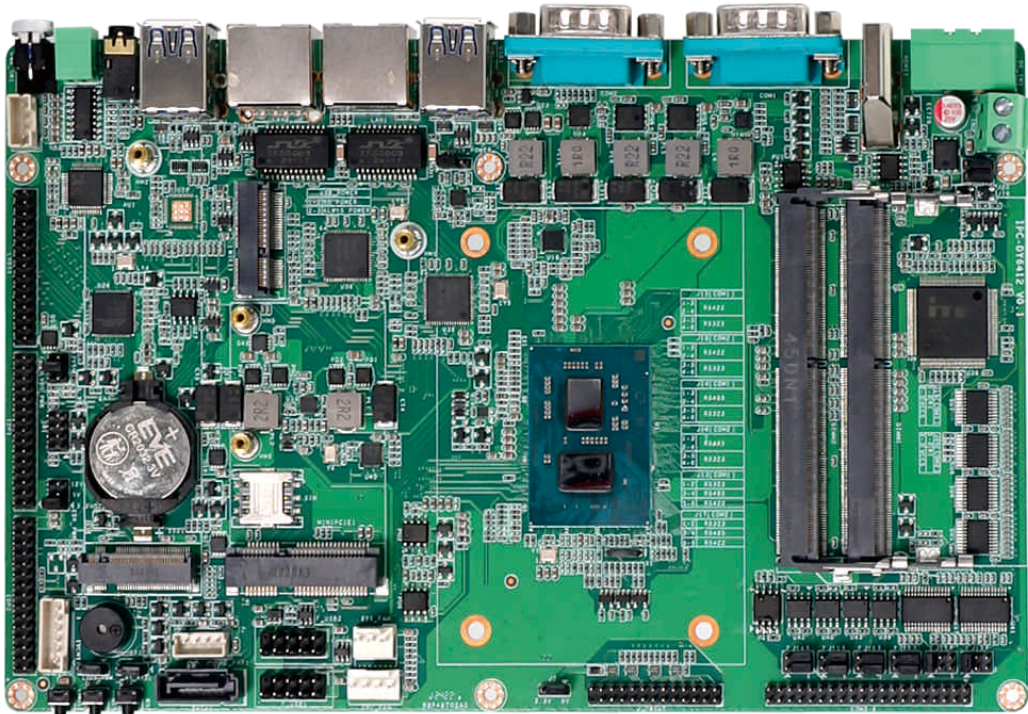
H610-ITX



Parameters

Model	H610-ITX V0.1	Audio	1*Realtek ALC897 HD Audio
CPU	LGA1700, 12/13/14th Gen Celeron/Pentium/i3/i5/i7	Net	1*RTL8111H Gigabit LAN, dual LAN optional
GPU	Intel UHD Graphics 730	USB	1*USB2.0+3*USB3.2+1*Type-C
Output	IO:HDMI+DP, 4K@60Hz	COM	ITE8613E
RAM	2*SO-DIMM DDR4/DDR5	IOChip	AMI BIOS
	DDR4 up to 3200MHz, Max 64G DDR5 up to 7200MHz, Max 128G	Power	12V/19V DC Input
Storage	1*SATA, 1*M.2 M-Key2280	Cooling	Built-in CPU Cooler 1*3Pin SYS Fan, 1*4Pin CPU Fan
	NVMe/SATA switchable via jumper		Env
Slot	1*M.2 E-Key2230		

IPC-DY6412



5.08 Phoenix
Power Terminal

HDMI

COM

COM

USB 3.0*2

LAN

LAN

USB3.0*2

CON

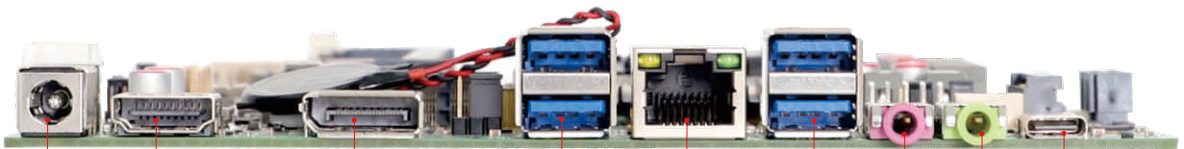
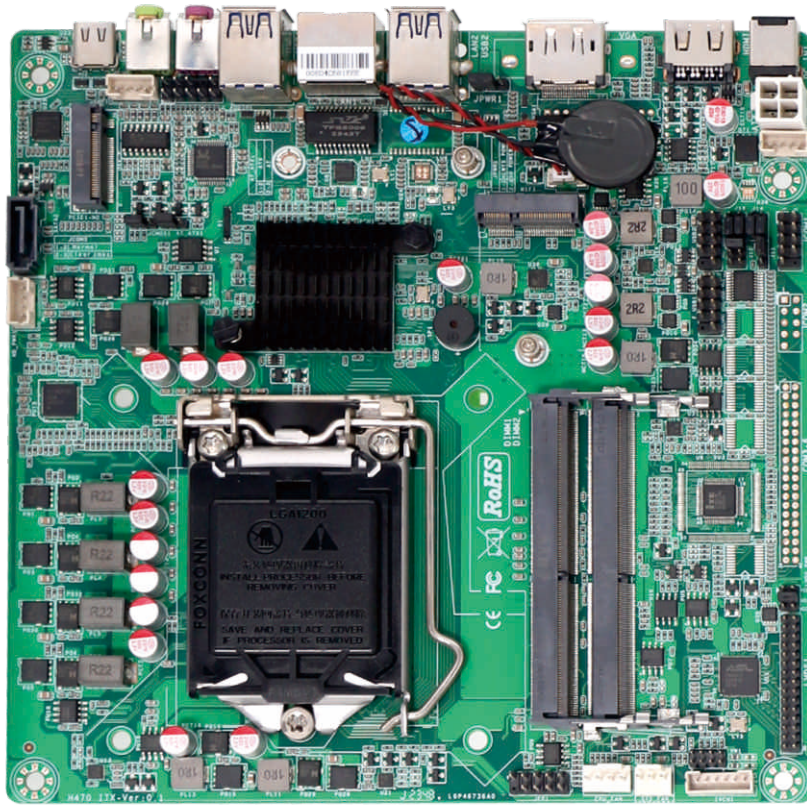
STEREO
JACK

PWR_SW

Parameters

Model	IPC-DY6412 V1.0	Audio	1*Realtek ALC897 HD Audio
CPU	Intel Celeron J6412 supported	Net	1*Intel I226-V Ethernet, 10/100/1000/2.5G
GPU	Intel UHD Graphics	USB	4*USB3.0 + 4*USB2.0 Pin Header
Output	1*HDMI, 1*LVDS, 2*EDP(optional)	COM	IT8786E-I LQFP-128
RAM	2*DDR4 SO-DIMM, Max 64G	IOChip	AMI BIOS
Storage	1*M.2 M-Key 2280, NVMe/SATA 1*SATA for 2.5" SSD/HDD	Power	12V DC In, 3 ports available
Slot	1*M.2 E-Key 2230, WiFi+BT 1*MINI-PCIE 4G, SIM card slot	Cooling	DC jack & Phoenix terminal optional Fanless supported
		Env	Op:0~60°C, Storage:-20~75°C

H470-ITX

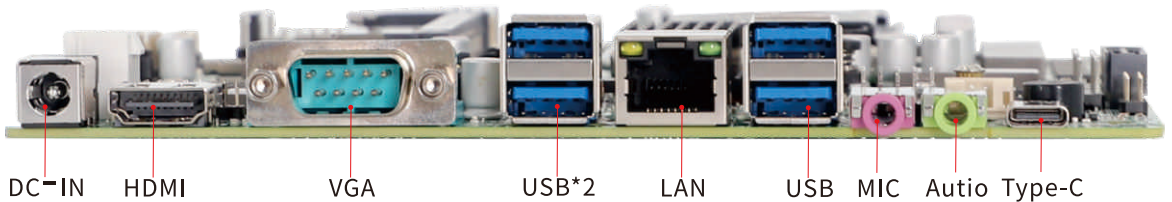
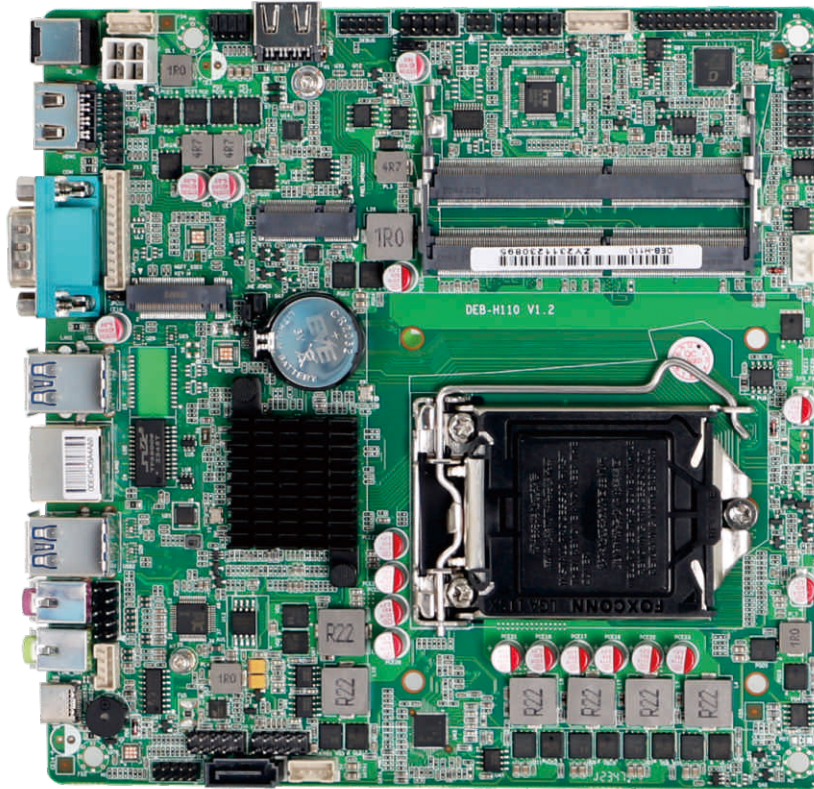


DC-IN HDMI VGA/DP USB*2 LAN USB MIC Audio Type-C

Parameters

Model	H470-ITX V0.1	Audio	1*Realtek ALC897 HD Audio
CPU	LGA1200, 10/11th Gen Celeron/Pentium/i3/i5/i7	Net	1*RTL8111H Gigabit LAN, Dual LAN Optional
GPU	Intel UHD Graphics 630	USB	4*USB3.2 + 1*Type-C
Output	IO:HDMI+DP, OPS:HDMI+DP	COM	ITE8613E
	HDMI/DP up to 4K@60Hz	IOChip	AMI BIOS
RAM	2*DDR4 SO-DIMM	Power	12V/19V DC Jack
	2133/2400/2666/3200MHz, Max 64G	Cooling	Built-in CPU Cooler
Storage	1*SATA, 1*M.2 M-Key2280		1*3Pin SYS Fan, 1*4Pin CPU Fan
		NVMe/SATA switch via jumper	Operating: 0~60°C
Slot	1*M.2 E-Key2230	Env	Storage: -20~75°C, 0%~95%RH, Non-Condensing

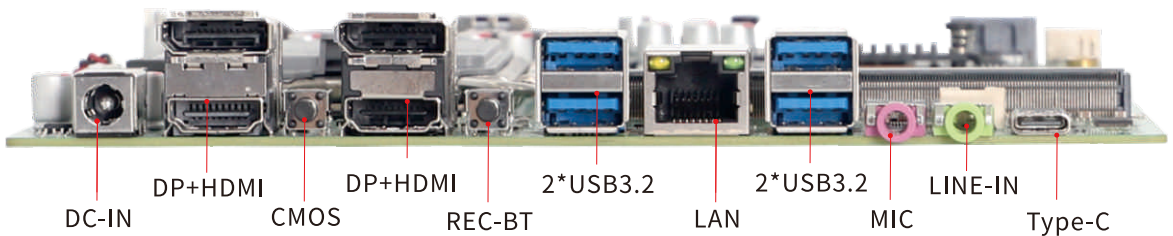
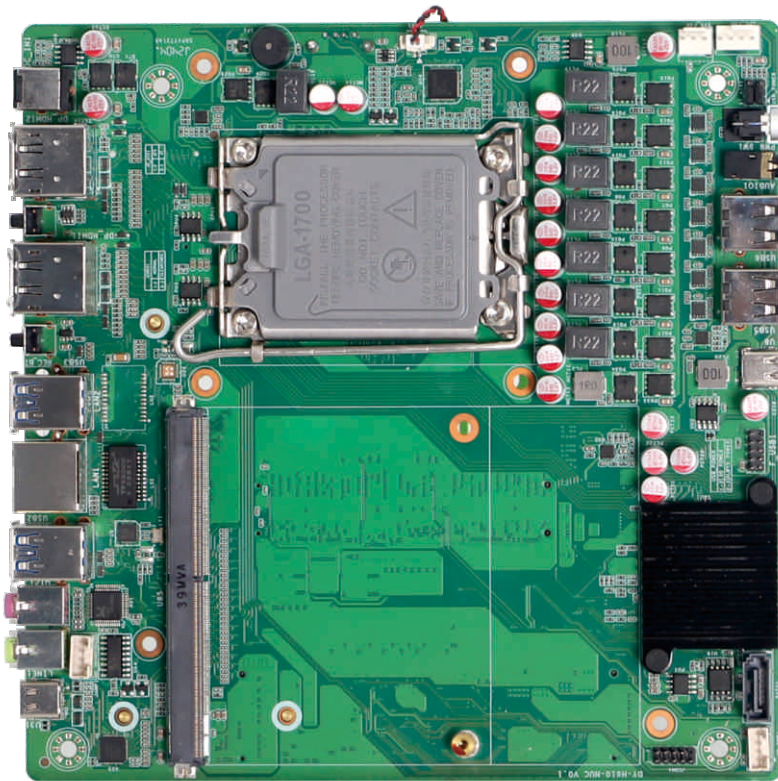
H110-ITX



Parameters

Model	DEB-H110 V1.2	Audio	ALC897 HD Audio Chip
CPU	LGA1151	Net	Realtek Gigabit Ethernet
	6/7/8/9th Gen Celeron/Pentium/i3/i5/i7	USB	2*USB2.0+ 2*USB3.2+1*Type-C
GPU	Intel UHD Graphics 530/630	COM	ITE8772EX
	1*HDMI, 4K@60Hz	IOChip	AMI BIOS
Output	1*JVGA&VGA, 1080P@60Hz	Power	DC 12V7A~19V4.7A
	1*LVDS, 1080P@60Hz	Cooling	Built-in CPU Cooler 1*3Pin SYS Fan, 1*4Pin CPU Fan
RAM	2*DDR4 2133/2400/2666MHz, Max 64GB	Env	Op:0~60°C
Storage	1*SATA3.0, 1*M.2 WiFi		Sto:-20~75°C, 0%~95%RH, Non-condensing
	Slot	1*M.2 SATA, NVMe switchable via jumper	
		1*M.2 E-Key 2230 Slot	

H610-Mini PC-ITX



Parameters

Model	H610-mini PC V0.1	Audio	1*Realtek ALC897 HD Audio
CPU	12/13/14th Gen	Net	1*Realtek RTL8111H Gigabit LAN
	Celeron/Pentium/Core i3/i5/i7 Desktop CPU	USB	4*USB3.2+2*USB2.0+1*Type-C
GPU	Intel UHD Graphics 730	COM	ITE8613E
Output	MXM Slot: Support discrete graphics card installation	IOChip	AMI BIOS
	IO: 2*HDMI+2*DP, Type-C to DP	Power	20W Type-C PD Fast Charge Output
RAM	2*SO-DIMM DDR4	Cooling	12V/19V DC Input
	2133/2400/2666/3200MHz, Max 64G	Env	Operating: 0~60°C
Storage	1*M.2 M-Key 2280, NVMe/SATA supported		Storage: -20~75°C, 0%-95%RH, Non-condensing
		1*SATA for 2.5" SSD/HDD	
Slot	1*M.2 E-Key 2230, WiFi+BT supported		

OPS Complete Machine Series

Education Screen | Conference Screen
Video Conference | Digital Signage | Artificial Intelligence



RK3588-OPS



Features

- Android 14, StarKylin, Galaxy Kylin
- Rockchip RK3588
- LP DDR4 RAM, 2133/2400/2666/3200MHz, standard 4GB (8GB optional)
- Multi-channel video output, dual-screen different display supported, 4K@60Hz
- EU size: 120*180*30mm, National standard size: 195*180*30mm

Parameters

Model	RK3588 OPS
CPU	4×Cortex-A76 + 4×Cortex-A55
System	OS: Android 14, StarKylin, Galaxy Kylin
GPU	GPU: Mali-G610 MP4
Memory	LP-DDR4 RAM, 2133/2400/2666/3200MHz, standard 4GB (8GB optional)
Storage	Storage: 64GB EMMC, 128GB SSD
Video	1×80Pin port, 1×HDMI output, 1×HDMI input, 1×Type-C
USB	2×USB2.0 HOST
LAN	2×1000Mbps Ethernet
WiFi	WiFi: AP6, 802.11AX with Bluetooth
Audio	3.5mm Audio Out & MIC In
COM Port	6×Dual TTL/RS232 + 4×RS232
Switch	1×Power button
Timing	Support network timed power on/off
Env	Operating Temp: 0~60°C, Storage Temp: -20~75°C 0%-95%RH, non-condensing

RK3576-OPS



Features

- Android 14, StarKylin, Galaxy Kylin
- Rockchip RK3576
- LPDDR4/LPDDR4X-4266 & LPDDR5-4800
- Multi-video output ports, support dual-screen different display and 4K@60Hz
- EU size: 120*180*30mm, National standard size: 195*180*30mm

Parameters

Model	RK3576-OPS V0.1
CPU	RK3576
GPU	ARM Mali-G52 MC3, RGA v2.5
Output	HDMI, max resolution 1920×1080@60Hz HDMI, max resolution 4K@60Hz
Memory	LPDDR4/LPDDR4X-4266 & LPDDR5-4800
Storage	eMMC, UFS, SD/MMC, FSPI
Slot	1×Mini PCIe Port
Audio	3.5mm combo audio jack
LAN	2×Realtek RTL8211F Gigabit Ethernet
USB	2×USB2.0, 1×USB3.0
I/O Chip	N/A
BIOS	N/A
Power	DC 12V
Cooling	Built-in CPU cooler with 4-pin CPU fan
Env	Operating 0~60°C, Storage -20~75°C, 0%-95%RH non-condensing

RK3568-OPS



Features

- Android 12, StarKylin, Galaxy Kylin
- Rockchip Rk3568
- LP DDR4 RAM, 2133/2400/2666/3200MHz, standard 4GB (8GB optional)
- Multi-channel video output, dual-screen different display supported, 4K@60Hz
- EU size: 120*180*30mm, National standard size: 195*180*30mm

Parameters

Model	RK3568 OPS
CPU	4×Cortex-A55
System	Android 12, StarKylin, Galaxy Kylin
GPU	Mali-G610 MP4
Memory	LP-DDR4 RAM, 2133/2400/2666/3200MHz, 4GB standard (8GB optional)
Storage	64GB EMMC, 128GB SSD
Video	1×80Pin port, 1×HDMI output, 1×HDMI input
USB	2×USB 2.0 HOST
LAN	2×1000Mbps Ethernet
WiFi	WiFi AP6, 802.11AX with Bluetooth
Audio	3.5mm Audio Output & MIC Input
COM Port	6 groups dual TTL/RS232 + 4 groups RS232
Switch	1×Power button
Timing	Support network timed power on/off
Env	Operating Temp: 0~60°C, Storage Temp: -20~75°C 0%-95% RH, non-condensing

H610-OPS

Celeron/Pentium/Core i3/i5/i7 12th/13th/14thCPU

(Image 1: Integrated Graphics, Image 2: Discrete Graphics)



Features

- Intel H610/H670 Chipset
- 12th/13th/14th Gen Intel Core i3/i5/i7 CPU
- Dual DDR4 RAM, 2133/2400/2666/3200MHz, Max 64G
- Support expandable MXM discrete graphics (4G/8G/12G/16G), hybrid graphics available
- Size: 195*180*30mm / 195*180*42mm

Parameters

Model	H610-OPS
Chipset	Intel H610/H670
CPU	12/13/14 th Gen Intel Core i3/i5/i7 Desktop CPU
GPU	Intel UHD 730 + MXM expansion slot Display: HDMI×3, DP×1
System	Windows 10 / Windows 11
Memory	2*SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 64G
Storage	1*SATA, 1*M.2 M-Key 2280 (NVMe/SATA jumper switchable)
Video Output	80Pin JAE80, HDMI, DP, Type-C
USB	4*USB3.0+2*USB2.0+1*Type-C
LAN	1*Gigabit LAN, dual LAN optional
WiFi	1*Mini PCIE, 1*M.2 Slot
Audio	Realtek ALC897 HD Audio + Microphone
COM Port	1*3Pin Header (Default 1-2, 2-3 for CMOS Clear) 2*5Pin 9Pin RS232 Header
Switch	1*Power Button
Recovery	1*Reset Button, one-key recovery supported
Env	Operating Temp: 0~60°C Storage Temp: -20~75°C Humidity: 0%-95%RH

H470-OPS

Celeron/Pentium/Core i3/i5/i7 10th/11thCPU

(Image 1: Integrated Graphics, Image 2: Discrete Graphics)



Features

- Intel H470/Z470 Chipset
- 10th/11th Gen Intel Core i3/i5/i7 CPU
- Dual DDR4 RAM, 2133/2400/2666/3200MHz, Max 64GB
- Support PCIe X16 discrete graphics (2G/4G/8G)
- Size: 195*180*30mm/195*180*42mm Discrete graphics version: 195*180*42mm

Parameters

Model	H470-OPS
Chipset	Intel H470/Z470 Chipset
CPU	10 th /11 th Gen Intel Core i3/i5/i7 Desktop Processors
GPU	Intel UHD Graphics 630, expandable PCIe X16 discrete graphics
System	Windows 10 / Windows 11
Memory	2*SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 64GB
Storage	1*SATA port, 1*M.2 port
Video Output	80Pin JAE80, HDMI, DP, Type-C
USB	4*USB3.0+2*USB2.0+1*Type-C
LAN	1*Realtek RTL8111H Gigabit Ethernet, dual LAN optional
WiFi	1*Mini PCIE slot, 1*M.2 slot
Audio	Realtek ALC897 HD Audio + Microphone
COM Port	1*Onboard TTL/RS232
Switch	1*Power button
Recovery	1*Recovery button, one-key restore supported
Env	Operating temp: 0~60°C, Storage temp: -20~75°C, 0%~95%RH, non-condensing

M14U Ultra100/200-OPS

Intel® Core Ultra5/Ultra7/Ultra9 CPU



Features

- Intel Core Ultra5/Ultra7/Ultra9 Mobile CPU
- Default single Gigabit Ethernet port, dual ports customizable
- S-DIMM DDR5, 3200/5600MHz, Max 64GB
- Dimensions: EU standard 120*180*30mm, National standard 195*180*30/42mm

Parameters

Model	M14U Ultra100/200-OPS
CPU	Supports Intel Core Ultra5/Ultra7/Ultra9 Mobile CPU
GPU	Intel Arc Integrated Graphics up to 2.2GHz
Memory	2*SO-DIMM DDR5, 4800/5600/6000/6400/6800/7200MHz, Max 64GB
Storage	1*SATA, 1*M.2 M-Key 2280, supports NVMe/SATA protocol
Video Output	IO Ports: HDMI+DP+Type-C to DP, OPS Ports: HDMI+DP
USB	2*USB2.0+4*USB3.2+1*Type-C
LAN	1*Realtek RTL8111H Gigabit LAN, dual LAN optional
Audio	1*Realtek ALC897 HD Audio
Slot	1*M.2 E-Key 2230 Slot
I/O Chip	ITE8613E
BIOS	AMI BIOS
Power	12V/19V DC Jack
Cooling	Dual Heat Pipe Turbine Cooling1×3Pin SYS Fan, 1×4Pin CPU Fan
Env	Operating: 0~60°C, Storage: -20~75°C0%-95% RH, Non-condensing

M12U/M13U-OPS

Intel® Core i3/i5/i7 12th/13th Mobile CPU



Features

- 12th/13th Gen Intel Core Mobile i3/i5/i7 CPU
- Single Gigabit LAN standard, dual LAN customizable
- 2*SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 64GB
- Size: EU 120*180*30mm, Standard 195*180*30/42mm

Parameters

Model	M12U/M13U-OPS
Chipset	Supports 12 th /13 th Gen Intel Core i3/i5/i7 Mobile Processors
CPU	Intel Iris Xe Graphics, up to 1.25GHz
GPU	Windows 10 / Windows 11
System	2*SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 64GB
Memory	2*SATA, 2*M.2 M-Key 2280, NVMe/SATA switchable via jumper
Storage	IO Ports: HDMI+DP+Type-C to DP, OPS Ports: HDMI+DP
USB	2*USB2.0+4*USB3.2+1*Type-C
LAN	1*Realtek RTL8111H Gigabit LAN, single port standard, dual ports customizable
WiFi	M.2 E-Key 2230 Slot, support WiFi & Bluetooth module
Audio	Realtek ALC897 HD Audio + Built-in Microphone
COM Port	3Pin Header (Default 1-2, 2-3 for CMOS Clear), 9Pin RS232 Header
Switch	One-key recovery button available
Recovery	Built-in CPU Cooler, equipped with 3Pin SYS Fan and 4Pin CPU Fan
Env	Operating Temp: 0~60°C, Storage Temp: -20~75°C 0%-95% RH, non-condensing

M11U-OPS

Intel® Core i3/i5/i7 11th Mobile CPU (G Series)



Features

- 11th Gen Intel CPU
- 11th Gen Intel Core i3/i5/i7 Mobile Processors i5-1135G7/1145G7, i7-1165G7/1185G7
- Single Gigabit Ethernet port as standard, dual ports customizable
- SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 32GB
- EU standard: 120*180*30mm, National standard: 195*180*30/42mm

Parameters

Model	M11U-OPS (G Series)
CPU	Supports 11 th Gen Intel Core i3/i5/i7 Mobile Processors i5/ i7
GPU	Intel Iris Xe Graphics 1.3GHz
System	Windows 10 / Windows 11
Memory	1 × SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 32GB
Storage	1 × SATA, 1 × M.2 M-Key 2280, NVMe/SATA switchable via jumper
Video	IO Ports: HDMI+DP+Type-C to DP, OPS Ports: HDMI+DP
USB	2 × USB2.0+4 × USB3.0+1 × Type-C
LAN	1 × Realtek RTL8111H Gigabit LAN, single port standard, dual ports customizable
WiFi	M.2 E-Key 2230 slot, supports WiFi & Bluetooth module
Audio	Realtek ALC897 HD Audio + Built-in Microphone
COM Port	3Pin header (Default 1-2, 2-3 for CMOS clear), 9Pin RS232 header
Recovery	Equipped with one-key recovery button
Cooling	Built-in CPU cooler, with 3Pin system fan and 4Pin CPU fan
Env	Operating Temp: 0~60°C, Storage Temp: -20~75°C 0%-95%RH, non-condensing

M8U/M10U-OPS

Intel® Core i3/i5/i7 8th /10th Mobile CPU



Features

- 8th/10th Gen Intel Low-Power CPU
- 8th/10th Gen Intel Core i5/i7 Mobile Processors (i5-8265U/10210U, i7-8565U/10510U)
- Single Gigabit LAN by default, dual LAN customizable
- 2× SO-DIMM DDR4, 2133/2400/2666/3200MHz, Max 64GB
- Size: EU 120*180*30mm, National Standard 195*180*30/42mm

Parameters

Model	M8U/M10U OPS (G Series)
CPU	8 th /10 th Gen Intel i5/i7 Mobile CPU (i5-8265U/10210U, i7-8565U/10510U)
GPU	Onboard Intel UHD Graphics 1.1GHz
System	Win10/Win11
Memory	2× DDR4 RAM 2133-3200MHz, max 64GB, 1× SO-DIMM slot
Storage	1× SATA + 1× M.2 M-key 2280, NVMe/SATA switchable via JMP
Video	IO & OPS: HDMI+DP
USB	2× USB2.0, 4× USB3.0, 1× Type-C
LAN	1× Realtek RTL8111H Gigabit LAN, dual LAN optional
WiFi	M.2 E-key 2230 for WiFi & Bluetooth
Audio	Realtek ALC897 HD Audio + Mic
COM Port	3Pin JMP header for CMOS clear, 9Pin RS232 header
Recovery	One-key recovery button
Cooling	Built-in CPU cooler with SYS/CPU fan headers
Env	Operating temp: 0~60°C, Storage: -20~75°C Humidity: 0%-95% non-condensing

H310C-OPS

Celeron/Pentium/Core i3/i5/i7 6th-9thCPU



Features

- Intel H310C Chipset
- 6th/7th/8th/9th Gen Intel Core i3/i5/i7 CPU
- Dual DDR4 RAM, 2133/2400/2666/3200MHz, up to 64GB
- Support one-key system recovery
- Size: 195*180*30mm / 195*180*42mm

Parameters

Model	H310C-OPS
Chipset	Intel H310C Chipset
CPU	6/7/8/9 th Gen Intel Core i3/i5/i7 Desktop CPU
GPU	Intel UHD Graphics 530/630
System	Win10/Win11
Memory	2 × SO-DIMM DDR4, 2133-3200MHz, max 64GB
Storage	1 × SATA + 1 × M.2 Storage Interface
Video	80Pin JAE80, 1 × HDMI, 1 × DP, onboard VGA pin header
USB	4 × USB2.0+2 × USB3.0+1 × Type-C
LAN	1 × Realtek RTL8111H Gigabit Ethernet
WiFi	1 × Mini PCIe Slot
Audio	Realtek ALC897 HD Audio + Mic
COM Port	Onboard TTL/RS232
Switch	Power button
Recovery	One-key recovery button
Env	Operating: 0~60°C, Storage: -20~75°C 0%-95% RH, non-condensing

H81-OPS

Celeron/Pentium/Core i3/i5/i7 4th CPU



Features

- Intel H81 Chipset
- 4th Gen Intel Core i3/i5/i7 CPU
- HDMI+DP+VGA ports
- Supports one-key system recovery
- Size: 195*180*30mm / 195*180*42mm

Parameters

Model	H81-OPS
Chipset	Intel H81 Chipset
CPU	4 th Gen Intel Core i3/i5/i7 Desktop CPU
GPU	Intel HD Graphics 4600
System	Windows 10
Memory	2 × DDR3 SO-DIMM, 1333/1600MHz, max 16GB
Storage	2 × SATA + 1 × mSATA
Video	80Pin JAE80, HDMI/VGA/DP, triple display
USB	5 × USB2.0+1 × USB3.0
LAN	1 × Gigabit Ethernet
WiFi	1 × Mini PCIe slot
Audio	Audio & Mic
COM Port	onboard TTL/RS232
Switch	Power key
Recovery	one-key recovery
Env	Operating: 0~60°C, Storage: -20~75°C 0%-95% RH, non-condensing

M4U-OPS

Intel® Core i3/i5/i7 4th Mobile CPU (CE Standard)



Features

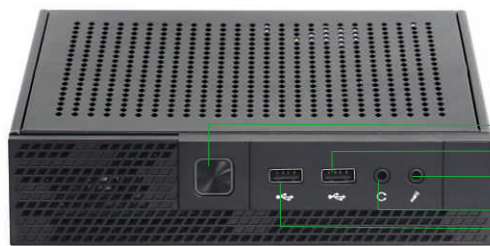
- Intel MA86 Chipset
- 4th Gen Intel CPU
- HDMI+DP+VGA & Gigabit Ethernet ports
- DDR3 SO-DIMM, max 8GB
- Size: EU standard 120*180*30mm

Parameters

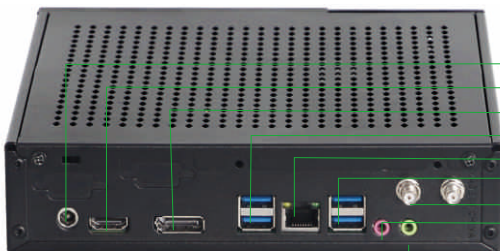
Model	M4U-OPS
Chipset	Intel HM86 Chipset
CPU	4 th Gen Intel i3/i5/i7 Mobile CPU
GPU	Intel HD Graphics 4600
System	Windows 10
Memory	1×DDR3 SO-DIMM, max 8GB
Storage	1×mSATA, support Mini PCIe SSD
Video	80Pin JAE80, HDMI/VGA/DP, triple display
USB	4×USB3.0+2×USB2.0
LAN	1×Gigabit LAN
WiFi	1×Mini PCIe slot
Audio	Audio & Mic
COM Port	onboard TTL/RS232
Switch	Power button
Env	Operating: 0~60°C, Storage: -20~75°C 0%-95% RH, non-condensing

Tx20 Mini PC

Tx20 Chassis Series



- Power Button
- USB Port
- Audio Jack
- Output Port
- USB Port



- Power Interface
- HDMI
- DP Port
- USB Port
- Network Port
- USB Port
- Dual-band WiFi
- Audio Port
- Microphone



TX20-Intel i3/i5/i7 4-14th

Intel Mini PC Host



Features

- Intel H610/H470/H110C/H81 Chipset
- 4th-14th Gen Intel Core i3/i5/i7 CPU
- Dual DDR3/DDR4/DDR5 RAM, 1600/2400/2666/3200/4800/5600MHz
Max: 16GB(DDR3) / 64GB(DDR4) / 128GB(DDR5)
- Size: 196.5*198*45mm

Parameters

Model	TX20-H610/H470/H110C/H81
Chipset	Intel H610/H470/H110C/H81 Chipset
CPU	4 th -14 th Gen Intel i3/i5/i7 Desktop CPU
GPU	Intel UHD Graphics
System	Win7/Win10/Win11
Memory	2 × SO-DIMM DDR3/DDR4/DDR5 Max:16GB(DDR3)/64GB(DDR4)/128GB(DDR5)
Storage	mSATA(H81)+SATA+M.2 M-key 2280, NVMe/SATA switchable
Video	HDMI/DP/VGA
USB	4 × USB3.0+2 × USB2.0
LAN	Gigabit LAN, dual LAN optional
WiFi	Mini PCIe + M.2 slot
Audio	ALC897 HD Audio
COM Port	CMOS clear jumper, RS232 header
Switch	Power button
Env	Operating: -5~50°C, Storage: -20~70°C

NUC Mini PC

Compact & Powerful, 20W PD Fast Charging (Metal Version)

Size: 127*116*44mm



NUC-N Series



Metal Version Back



Metal Version Side



Standard Version Back



Standard Version Side

Parameters

Model	N95/N97/N100/150/N200/N350-NUC
CPU	Supports Intel Alder Lake-N Mobile CPU
GPU	Intel UHD Graphics 750MHz
I/O Chip	ITE8613E
Memory	1 × SO-DIMM DDR4, max 32GB
Storage	1 × M.2 M-key 2280, NVMe/SATA compatible
Video	HDMI+DP+Type-C(DP)
USB	3 × USB3.2, 1 × Type-C3.0
LAN	Gigabit Ethernet
WiFi	M.2 E-key 2230 for WiFi & BT
Audio	ALC897 HD Audio
PD Output	20W PD Fast Charging (Metal Version)
Power	DC Power Input
Cooling	Dual heat pipe + turbofan cooling
Env	Operating:0~60°C, Storage:-20~75°C 0%-95% RH, non-condensing

NUC - M11U-M13U Series



Metal Version Back



Metal Version Side



Standard Version Back



Standard Version Side

Parameters

Model	M11U/M12U/M13U NUC
CPU	Supports 11 th /12 th /13 th Gen Intel Core i3/i5/i7/i9 Mobile CPU
GPU	Intel Iris Xe Graphics
I/O Chip	ITE8613E
Memory	2 × SO-DIMM DDR4, max 64GB
Storage	M.2 M-key 2280(NVMe/SATA) + 2.5" HDD/SSD
Video	HDMI+DP+Type-C(DP)
USB	3 × USB3.2+1 × Type-C3.0
LAN	Gigabit Ethernet
WiFi	M.2 E-key 2230 for WiFi & Bluetooth
Audio	ALC897 HD Audio
PD Output	20W PD Fast Charge (Metal Version)
Power	DC Power Input
Cooling	Dual heat pipe + turbofan cooling
Env	0~60°C operating, -20~75°C storage 0%-95% RH, non-condensing

NUC - Ultra 100/200 Series



Metal Version Back



Metal Version Side



Standard Version Back



Standard Version Side

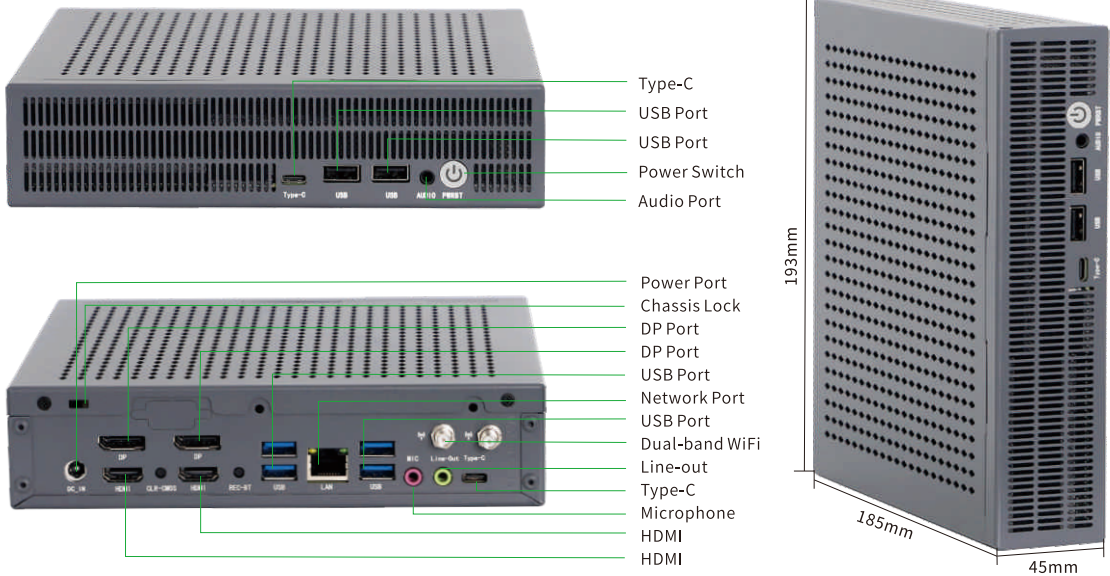
Parameters

Model	M14U NUC Ultra 100/200 Series
CPU	Supports Intel Core Ultra 5/7/9 Mobile CPU
GPU	Intel Arc Graphics 2.2GHz
I/O Chip	ITE8613E
Memory	2 × SO-DIMM DDR5, max 96GB
Storage	M.2 M-key 2280(NVMe/SATA) + 2.5" HDD/SSD
Video	HDMI+DP+Type-C(DP)
USB	3 × USB3.2, 1 × Type-C3.0
LAN	Gigabit Ethernet
WiFi	M.2 E-key 2230 for WiFi & Bluetooth
Audio	ALC897 HD Audio
PD Output	20W PD Fast Charge (Metal Version)
Power	DC Power Input
Cooling	Dual heat pipe + turbofan cooling
Env	0~60°C operating, -20~75°C storage 0%-95% RH, non-condensing

Tx70 Mini PC



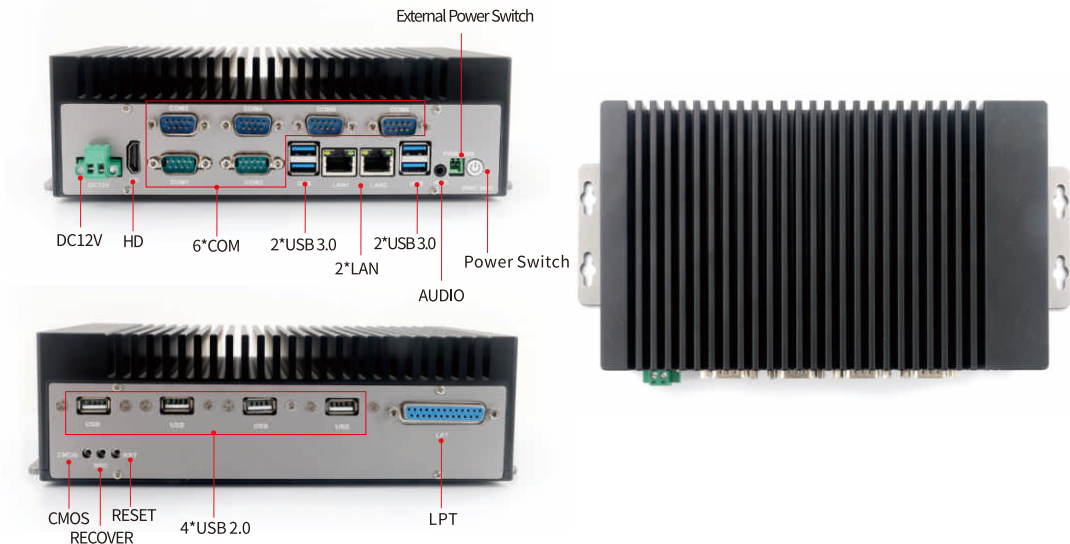
H610-Mini PC



Parameters

Model	H610-mini PC
CPU	12/13/14 th Gen Celeron/Pentium/Core i3/i5/i7 Desktop CPU
GPU	Intel UHD Graphics 730, MXM Slot
Video	2HDMI+2DP+Type-C(DP)
Memory	2×DDR4 SO-DIMM, max 64GB
Storage	M.2 M-key+SATA, 2.5" HDD/SSD supported
Slot	M.2 E-key for WiFi & Bluetooth
Audio	ALC897 HD Audio & Mic
Net	Gigabit Ethernet
USB	4×USB3.2 Gen2, 2×USB2.0
I/O Chip	ITE8613E
BIOS	AMI BIOS
PD Output	20W PD Output
Power	12V/19V DC Input
Cooling	Dual heat pipe turbofan cooling
Env	0~60°C operating, -20~75°C storage 0%-95% RH, non-condensing

IPC-J6412



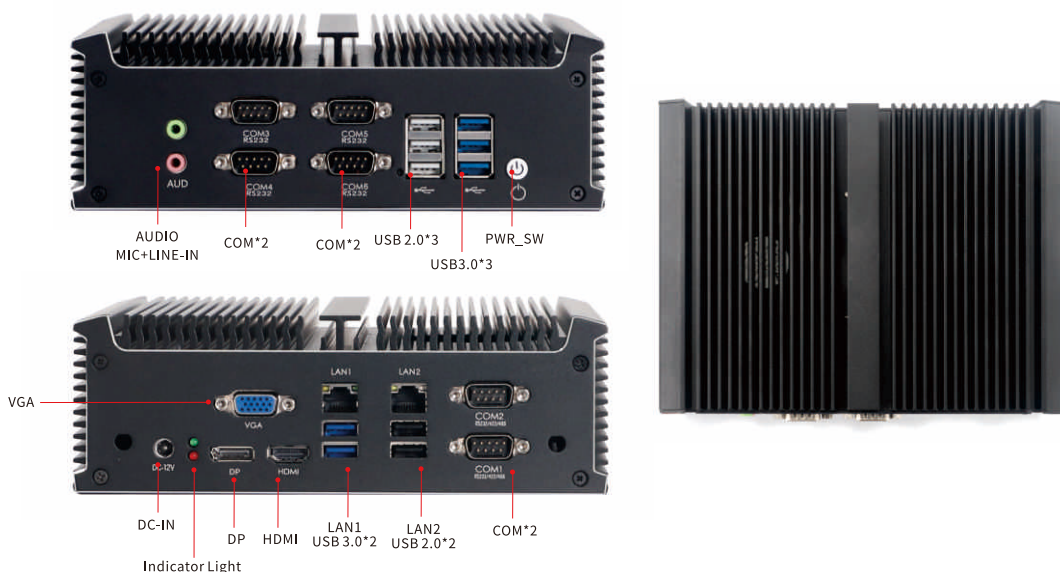
Features

- Intel Celeron J6412 Processor
- Intel HD Integrated Graphics
- Dual DDR4 Memory, Max 32GB
- 6 COM Ports, Dual Gigabit LAN, 6 USB Ports

Parameters

Board Model	IPC-DY6412 V1.0
CPU	Intel Celeron J6412 Processor
GPU	Intel HD Integrated Graphics
Video	1 × HDMI, 1 × LVDS, 1 × EDP
Memory	2 × SO-DIMM DDR4, max 32GB
Storage	M.2 M-key 2280(NVMe/SATA) + 2.5" HDD/SSD SATA port
Slot	M.2 E-key 2230 for WiFi&BT, Mini-PCIE 4G(SIM card), optional Mini-PCIE WiFi
Audio	Realtek ALC897 HD Audio
LAN	Dual Intel I210AT Gigabit Ethernet
USB	4 × USB3.0, 4 × USB2.0
I/O Chip	IT8786E-I HX LQFP-128
BIOS	AMI BIOS
Power	12V DC input with triple ports
Cooling	Built-in CPU cooler, SYS & CPU fan headers
Env	Operating temperature: 0~60°C

IPC-M12U



Features

- 12th/13th Gen Intel Core Processor
- Intel HD Integrated Graphics
- Dual DDR4 Memory, Max 64GB
- 6 COM Ports, Dual Gigabit LAN, 8/10 USB Ports

Parameters

Board Model	IPC-DY12U
CPU	12 th /13 th Gen Intel Core Processor
GPU	Intel Iris Xe Graphics 1.25GHz
Video	1×HDMI, 1×VGA, DP expandable
Memory	2×SO-DIMM DDR4, max 64GB
Storage	M.2 M-key 2280, NVMe/SATA supported
Slot	M.2 E-key 2230 for WiFi & Bluetooth
Audio	Mini-PCIE 4G with SIM card slot
LAN	Realtek ALC897 HD Audio Dual Intel I210AT Gigabit Ethernet
USB	4×USB3.0+4×USB2.0 / 5×USB3.0+5×USB2.0
I/O Chip	IT8786E-I HX LQFP-128
BIOS	AMI BIOS
Power	12V-19V DC triple input ports
Cooling	Fanless cooling available
Env	Operating: 0~60°C, Storage: -20~75°C 0%-95% RH, non-condensing



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