ITX-1493-TI4

Product Features

The ITX-1493-TI4-MB is an industrial-grade Mini-ITX embedded motherboard powered by an Intel Celeron J-series processor, designed for industrial control, IoT gateways, commercial displays, all-in-one terminals, and lightweight edge computing. Within its compact form factor, it integrates dual Gigabit Ethernet, supports up to three independent displays, and provides rich industrial I/O and GPIO. With M.2 and mPCIe expansion, low power consumption, high stability, and strong customization flexibility, it is well suited for 24/7 continuous operation

Application Scenarios

Digital Signage

Industrial Automation

IoT Edge Gateway

Embedded Terminal

Processor	Product Collection	Intel Celeron Processor J Series
	Sockets Supported	FCBGA1493
Memory specifications	Memory Type	DDR4 SO-DIMM 260Pin 1.2V
	Maximum Capacity	32GB
	Maximum Frequency	3200 MHz
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-B+M SSD (SATA/PCIe x1)
Network features	Ethernet	2*1GbE
	Controller	2*Realtek RTL8111H
Extension interface	M.2	1*M.2 Key-E 2230 (PCIe x1+USB2.0)
	mPCIe	1*mPCIe (PCIe x1+USB2.0)
Display functions	Port	1*VGA, 1*HD or eDP[1] (Optional)
	Pins	1*LVDS or eDP[2]
	Chip	Intel UHD Graphics
Backplane I/O	Ethernet	1*RJ45+2*USB-A 2.0 or 2*RJ45
	USB	2*USB-A 3.0
	Audio	1*Line Out, 1*Mic In
	Display	1*VGA/1*HD
	Power supply	1*Jack DC 5.5/2.5mm
Onboard I/O	SATA	1*SATA Data connector/1*SATA Power socket
	SIM	1*SIM Card solts
	Fan	1*CPU Fan, 1*System Fan
	Pins	1*F_PANEL
		2*J_COM (2x5 pins), 1*J_COM (2x20 pins)
		3*F_USB (Expandable USB 2.0 ports)

		1*LVDS or eDP1, 1*HD (Default) or eDP2
		1*LPT
		1*GPIO
		1*F_Audio
		1*J_SPKR
Power supply mode	DC	Jack DC 12V or ATX 4-Pin
Motherboard size	Specification	170*170 (mm)
Work Environment	Temperature	-10~60℃ (Work), -20~70℃ (Storage)
	Humidity	5%~95% (Relative humidity, no condensation)

1U-1493-TI4

Product Features

The 1U-1493-TI4 is a rackmount industrial computer designed for multi-serial device management and industrial communication applications. Powered by an Intel Celeron J-series processor, it integrates up to 6 configurable serial ports within a standard 1U chassis, along with flexible network and I/O options. It is an ideal solution for industrial automation gateways, security communication management, financial terminal control, and serial server deployments in data centers.

Application Scenarios

Data Acquisition Server

Industrial Automation

Communication Gateway

Embedded Systems

Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	3200 MHz	
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)	
	M.2	1*M.2 Key-B+M SSD	
Extension interface	M.2	1*M.2 Key-E 2230	
	mPCIe	1*mPCIe	
Interface	Front Panel	Button	Start or Restart
		USB	2*USB-A 2.0
	Back Panel	Power supply	1*AC Power socket, 1*Jack DC
		Display	1*VGA/1*HD
		USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
		Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
		Audio	1*Line Out, 1*Mic In
		Serial port	Up to 6*COM
		Antenna	1*Groups (Reserve)
Cooling Method	Active Cooling, 1*CPU Fan		
System Specifications	Chassis Size	440*255*40 (mm)	
	Weight	Equipment Weight 3.80 KG; Package Weight 4.55 KG (including accessories)	
Power Mode	Input: 85V~264V AC 47~63 Hz, Maximum 50W		
Work Environment	Temperature	0~60℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

2U-1493-TI4

Product Features

The 2U-1493-TI4 is an enhanced rackmount industrial computer designed for high-demand industrial communication and control applications. It offers up to 6x COM serial ports and Phoenix terminal GPIO for easy field wiring. Housed in a spacious 2U chassis, it provides improved thermal performance, expanded serial connectivity, and flexible I/O options. This makes it well suited for industrial and commercial environments that require high reliability, abundant interfaces, and continuous long-term operation.

Application Scenarios

Data Acquisition Server

Industrial Automation

Communication Gateway

Embedded Systems

Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	3200 MHz	
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)	
	M.2	1*M.2 Key-B+M SSD	
Extension interface	M.2	1*M.2 Key-E 2230	
	mPCIe	1*mPCIe	
Interface	Front Panel	Button	Start or Restart
		USB	4*USB-A 2.0
	Back Panel	Power supply	1*AC Power socket, 1*Jack DC
		Display	1*VGA/1*HD
		USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
		Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
		Audio	1*Line Out, 1*Mic In
		Serial port	Up to 6*COM
		GPIO	1*Set GPIO Phoenix terminals
Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan		
System Specifications	Chassis Size	435*405*88 (mm)	
	Weight	Equipment Weight 6.80 KG; Package Weight 10.10 KG (including accessories)	
Power Mode	Input: 100V~240V AC 50/60 Hz, Maximum 150W		
Work Environment	Temperature	0~60℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

G26-1493-TI4

Product Features

The G26-1493-TI4 is a compact fanless industrial computer designed for multi-serial communication, industrial control, device management, and edge computing applications. Powered by an Intel Celeron J-series processor, it integrates up to 6x DB9 serial ports, flexible networking and USB options, and rich expansion interfaces within a rugged metal chassis. Its passive cooling design ensures reliable, maintenance-free operation, making it ideal for industrial environments that demand high stability, strong EMI resistance, and long-term continuous operation.

Application Scenarios
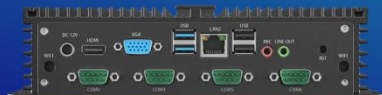
Data Acquisition Server

Industrial Automation

Communication Gateway

Embedded Systems

Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	3200 MHz	
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)	
	M.2	1*M.2 Key-B+M SSD	
Extension interface	M.2	1*M.2 Key-E 2230	
	mPCIe	1*mPCIe	
Interface	Front Panel	Power supply	1*Jack DC
		Display	1*VGA/1*HD
		USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
		Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
		Audio	1*Line Out, 1*Mic In
		Serial port	5*DB9 COM
		Antenna	1*Groups (Reserve)
	Back Panel	Button	Start or Restart
		USB	4*USB-A 2.0
		Serial port	1*DB9 COM
Cooling Method	Passive Cooling, Fanless (Need air flow)		
System Specifications	Chassis Size	235*200*50 (mm)	
	Weight	Equipment Weight 2.05 KG; Package Weight 2.85 KG (including accessories)	
Power Mode	DC 12V 4A or Higher		
Work Environment	Temperature	0~60℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

G687-1493-TI4

Product Features

The G687-1493-TI4 is a compact fanless industrial computer designed for harsh industrial environments. Powered by an Intel Celeron J-series processor, it features a rugged all-metal chassis integrating up to 6x serial ports, flexible networking and USB options, and rich storage and wireless expansion interfaces. With its high connectivity flexibility, silent and reliable operation, and industrial-grade durability, it is an ideal embedded solution for high-reliability data acquisition, distributed device control, and compact automation nodes.

Application Scenarios

Data Acquisition Server

Industrial Automation

Communication Gateway

Embedded Systems

Category		Specification	
Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	3200 MHz	
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)	
	M.2	1*M.2 Key-B+M SSD	
Extension interface	M.2	1*M.2 Key-E 2230	
	mPCIe	1*mPCIe	
Interface	Front Panel	Power supply	1*Jack DC
		Display	1*VGA/1*HD
		USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
		Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
		Audio	1*Line Out, 1*Mic In
		Serial port	4*DB9 COM
		Antenna	1*Groups (Reserve)
	Back Panel	Button	Start or Restart
		USB	4*USB-A 2.0
		Serial port	2*DB9 COM or Phoenix terminal
Cooling Method		Passive Cooling, Fanless (Need air flow)	
System Specifications	Chassis Size	235*200*50 (mm)	
	Weight	Equipment Weight 2.05 KG; Package Weight 2.85 KG (including accessories)	
Power Mode		DC 12V 4A or Higher	
Work Environment	Temperature	0~60℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

TPC-1493-TI4

Product Features

The TPC-1264-TI4 is an industrial-grade touchscreen panel PC that combines high-performance computing and high-definition display in a single, integrated system. Powered by an Intel Celeron J-series processor, it supports optional touchscreen displays in multiple sizes and features a standard anti-explosion tempered glass front panel. By integrating the traditional "PC + Monitor" architecture into one rugged unit, it delivers a complete solution for user interaction, data processing, and device connectivity, making it an ideal choice for modern HMI systems, intelligent terminals, and interactive control centers.

Application Scenarios

Security Monitoring

Industrial Automation

Self-Service Terminal

IoT Data Dashboard

Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	3200 MHz	
Screen specifications	Screen size	10.1/12.1/13.3/15.6/17/18.5/19/21.5/23.6 inches (Options)	
	Touch type	Capacitive or Resistive Touch	
	Touch points	10-point touch (Capacitive) /single-point touch (Resistive)	
	Refresh rate	60Hz	
	Hardness	Mohs hardness 7 (Explosion-proof Tempered Glass)	
Storage specifications	M.2	1*M.2 Key-B+M SSD	
Extension interface	M.2	1*M.2 Key-E 2230	
	mPCIe	1*mPCIe	
Interface	Top Panel	Antenna	1*Groups (Reserve)
		Serial port	4*DB9 COM (Reserve)
	Bottom Panel	Power supply	1*Jack DC
		Display	1*VGA/1*HD
		USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
		Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
		Audio	1*Line Out, 1*Mic In
		Serial port	1*DB9 COM (Reserve)
		Button	Start or Restart

Cooling Method	Passive Cooling, Fanless (Need air flow)	
System Specifications	Chassis Size	10.1″/280*227*59 (mm); 12.1″/315*258*59 (mm); 15.6″/378*297*69
	Weight	Equipment Weight 3.65KG~5.35KG
	Installation method	Wall-mounted/Embedded
Power Mode	Jack DC 12V or 9V~36V terminals (Options)	
Work Environment	Temperature	0~50℃
	Humidity	5%~90% (Relative humidity, no condensation)

HTPC-1493-TI4

Product Features

The HTPC-1493-TI4 is a compact computer designed for space-optimized applications, powered by an Intel Celeron J-series processor. Featuring an ultra-slim chassis under 5 cm thick and weighing only 1.05 kg, it delivers strong media processing performance with silent, low-noise operation, while maintaining stability and flexible expansion options. It is well suited for industrial control, edge computing, device connectivity, and multimedia control applications.

Application Scenarios

Thin Clients

Self-Service Terminal

Embedded Terminal

IoT Data Dashboard

Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	3200 MHz	
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)	
	M.2	1*M.2 Key-B+M SSD	
Extension interface	M.2	1*M.2 Key-E 2230	
	mPCIe	1*mPCIe	
Interface	Front Panel	Button	Start or Restart
		USB	2*USB-A 2.0
		Audio	1*Line Out, 1*Mic In
	Back Panel	Power supply	1*Jack DC
		Display	1*VGA/1*HD
		USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
		Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
		Audio	1*Line Out, 1*Mic In
		Serial port	2*COM (Reserve)
		Antenna	1*Groups (Reserve)
System Specifications	Cooling Method	Active Cooling, 1*CPU Fan	
	Chassis Size	197*195*46 (mm)	
	Weight	Equipment Weight 1.05 KG; Package Weight 1.55 KG (including accessories)	
	Power Mode	DC 12V 4A or Higher	
Work Environment	Temperature	0~60℃	
	Humidity	5%~90% (Relative humidity, no condensation)	