



# ITX-1264-TI4

## Product Features

**The ITX-1264-TI4-MB is a Mini-ITX embedded motherboard designed for multi-display and industrial control applications. Powered by a low-power Intel N-series processor, it features dual 2.5GbE Ethernet ports and supports up to four independent displays via VGA, HDMI, LVDS, and dual eDP outputs. With robust multimedia performance, rich industrial I/O, and wide-temperature operation, it is an ideal platform for digital signage, industrial HMI, self-service kiosks, and specialized display systems.**

## Application Scenarios



Digital Signage



Industrial Automation



IoT Edge Gateway



Embedded Terminal

Processor	Product Collection	Intel Processor N-series
	Sockets Supported	FCBGA1264
	Memory Type	DDR4 SO-DIMM 260Pin 1.2V
	Memory specifications	Maximum Capacity 16GB
Storage specifications	Maximum Frequency	3200 MHz
	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-B+M SSD (SATA/PCIe x1)
	Ethernet	2*2.5GbE
Network features	Controller	2*Intel I226V
	M.2	1*M.2 Key-E 2230 (CNVi/PCIe x1)
Extension interface	mPCIe	1*mPCIe (PCIe x1+USB2.0)
	Port	1*VGA, 1*HD
Display functions	Pins	1*LVDS or eDP1, 1*eDP2
	Chip	Intel UHD Graphics
Backplane I/O	Ethernet	1*RJ45+2*USB-A 3.0 or 2*RJ45
	USB	2*USB-A 3.0
Onboard I/O	Audio	1*Line Out, 1*Mic In
	Display	1*VGA/1*HD
Onboard I/O	Power supply	1*Jack DC 5.5/2.5mm
	SATA	1*SATA Data connector/1*SATA Power socket

SIM	1*SIM Card slots			
Fan	1*CPU Fan, 1*System Fan			
1*F_PANEL				
2*J_COM (2x5 pins), 1*J_COM (2x20 pins)				
3*F_USB (Expandable up to 6x USB 2.0 ports)				
1*J TPM2.0				
Pins	1*LVDS or eDP1, 1*eDP2			
1*LPT				
1*GPIO				
1*F_Audio				
Power supply mode	DC	12V		
Motherboard size	Specification	170*170 (mm)		
Work Environment	Temperature	-20~60°C (Work), -20~70°C (Storage)		
	Humidity	5%~90% (Relative humidity, no condensation)		

# 1U-1264-TI4



## Product Features

**The 1U-1264-TI4 is a rackmount industrial computer designed for multi-serial device management and industrial communication applications. Powered by an efficient, low-power Intel N-series processor, it integrates up to 6 configurable RS232/RS485 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 Processor N-series
	Sockets Supported	FCBGA1264
	Memory Type	DDR4 SO-DIMM
Memory specifications	Maximum Capacity	16GB
	Maximum Frequency	3200 MHz
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-B+M SSD
Extension interface	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
Front Panel	Button	Start or Restart
	USB	2*USB-A 2.0
Interface	Power supply	1*AC Power socket, 1*Jack DC
	Display	1*VGA/1*HD
Back Panel	USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
	Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
Audio	Audio	1*Line Out, 1*Mic In
	Serial port	Up to 6*COM
Antenna	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)
Work Environment	Power Mode	Input: 85V~264V AC 47~63 Hz, Maximum 50W
	Temperature	0~60°C
	Humidity	5%~90% (Relative humidity, no condensation)



# 2U-1264-TI4

## Product Features

The 2U-1264-TI4 is an enhanced rackmount industrial computer designed for high-demand industrial communication and control applications. It offers up to six 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 Processor N-series
	Sockets Supported	FCBGA1264
	Memory Type	DDR4 SO-DIMM
Memory specifications	Maximum Capacity	16GB
	Maximum Frequency	3200 MHz
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-B+M SSD
Extension interface	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
Interface	Front Panel	Button Start or Restart USB 4*USB-A 2.0
	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)
Back Panel	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
System Specifications	Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan
	Chassis Size	435*405*88 (mm)
	Weight	Equipment Weight 6.80 KG; Package Weight 10.10 KG (including accessories)
Work Environment	Power Mode	Input: 100V~240V AC 50/60 Hz, Maximum 150W
	Temperature	0~60°C
	Humidity	5%~90% (Relative humidity, no condensation)



# G26-1264-TI4

## Product Features

The G26-1264-TI4 is a compact fanless industrial computer designed for multi-serial communication, industrial control, device management, and edge computing applications. Powered by a low-power Intel N-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 Processor N-series
	Sockets Supported	FCBGA1264
Memory specifications	Memory Type	DDR4 SO-DIMM
	Maximum Capacity	16GB
Storage specifications	Maximum Frequency	3200 MHz
	Storage	1*SATA 3.0 (6Gb/s)
Extension interface	M.2	1*M.2 Key-B+M SSD
	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
Interface	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
	Power supply	1*Jack DC
Front Panel	Display	1*VGA/1*HD
	USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
Network	Network	1*RJ45 LAN or 2*RJ45 LAN (Options)
	Audio	1*Line Out, 1*Mic In
Back Panel	Serial port	5*DB9 COM
	Antenna	1*Groups (Reserve)
Cooling Method	Button	Start or Restart
	USB	4*USB-A 2.0
System Specifications	Serial port	1*DB9 COM
	Chassis Size	235*200*50 (mm)
Work Environment	Cooling Method	Passive Cooling, Fanless (Need air flow)
	System Weight	Equipment Weight 2.05 KG; Package Weight 2.85 KG (including accessories)
Power Mode	Temperature	0~60°C
	Humidity	5%~90% (Relative humidity, no condensation)



# G687-1264-TI4

## Product Features

The G687-1264-TI4 is a compact fanless industrial computer designed for harsh industrial environments. Powered by a low-power Intel N-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

Processor	Product Collection	Intel Processor N-series
	Sockets Supported	FCBGA1264
	Memory Type	DDR4 SO-DIMM
Memory specifications	Maximum Capacity	16GB
	Maximum Frequency	3200 MHz
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-B+M SSD
Extension interface	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
Interface	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
Front Panel	Serial port	4*DB9 COM
	Antenna	1*Groups (Reserve)
	Button	Start or Restart
	USB	4*USB-A 2.0
	Serial port	2*DB9 COM or Phoenix terminal
System Specifications	Cooling Method	Passive Cooling, Fanless (Need air flow)
	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°C
Environment	Humidity	5%~90% (Relative humidity, no condensation)



# TPC-1264-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 a low-power Intel N-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 Processor N-series
	Sockets Supported	FCBGA1264
Memory specifications	Memory Type	DDR4 SO-DIMM
	Maximum Capacity	16GB
	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	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
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	Chassis Size	10.1"/280*227*59 (mm); 12.1"

Specifications	/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	<p>Temperature 0~50°C</p> <p>Humidity 5%~90% (Relative humidity, no condensation)</p>



# HTPC-1264-TI4

## Product Features

The HTPC-1264-TI4 is a compact computer designed for space-optimized applications, powered by a high-efficiency Intel N-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 Processor N-series
	Sockets Supported	FCBGA1264
Memory specifications	Memory Type	DDR4 SO-DIMM
	Maximum Capacity	16GB
	Maximum Frequency	3200 MHz
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-B+M SSD
Extension interface	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
Front Panel	Button	Start or Restart
	USB	2*USB-A 2.0
	Audio	1*Line Out, 1*Mic In
Interface	Power supply	1*Jack DC
	Display	1*VGA/1*HD
	USB	2*USB-A 3.0, 2*USB-A 2.0 (Options)
Back Panel	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)
Cooling Method	Active Cooling, 1*CPU Fan	
System Specifications	Chassis Size	197*195*46 (mm)
	Weight	Weight 1.55 KG (including accessories)
Power Mode	DC 12V 4A or Higher	
Work Environment	Temperature	0~60°C
	Humidity	5%~90% (Relative humidity, no condensation)