

## Business Computer VPC-720 Series



\* Specifications, color and design of the products are subject to change without notice.

### Features

- **Compatible with Intel® Core™ processor series Raptor Lake**  
The product is equipped with the 13th-generation Intel® Core™ processor and greatly realizes lower-power consumption while ensuring fine performance of operation tasks and drawing. Adopting embedded-type CPU contributes to a stable supply.
- **The compact size that can install at a small area**  
This product is a compact size PC of 264(W)×264(D)×112(H)mm that can install at a small area.
- **Adopt removable storage**  
The product adopts front accessible 2.5-inch SATA storage, and also supports RAID function such as mirroring.
- **Supports mirroring (RAID1)**  
Mirroring enables the construction of redundant systems.  
[Hardware RAID]  
Selecting the optional mirror card enables the construction of hardware mirroring. Hot-swapping is also supported.
- **Major types of peripherals are supported with rich interfaces including**  
It has a variety of extended interface such as PCI Express (×16) × 1slot, HDMI × 1, DisplayPort × 2, 2.5GBASE-T × 1, 1000BASE-T × 1, USB 3.2 Gen1 (USB 3.0) × 6, USB 2.0 × 2, serial (RS-232C/RS-422A/RS-485) × 2, Audio. Selectable configuration lets you choose from 2.5GBASE-T × 1 or serial RS-232C × 2 interfaces.

### Compatible with Trellix white listing anti-virus software

Some OS pre-installed types have been also installed a Trellix (Former McAfee) white listing software.

The whitelist type is a security countermeasure that registers in advance the list of programs and codes that are permitted to execute and blocks execution of unregistered programs and codes. It prevents malicious program execution and protects embedded PC from zero day malware attacks. It is effective for attacks aimed at vulnerabilities before (zero day) when countermeasures and modification programs are offered.

This product is a high-performance embedded-type personal computer equipped with the 13th-generation Intel® Core™ processor.

It has extension interfaces such as HDMI, DisplayPort, 2.5GBASE-T, 1000BASE-T, USB 3.2 Gen1 (USB 3.0), serial and Audio. These Units are ideal for a wide range of embedded applications, such as control devices and information terminals based on general-purpose PC OSes.

Embedded-type chipset and CPU have been adopted. The use of readily available parts ensures the ease of the use of the product.

- \* The contents in this document are subject to change without notice.
- \* Visit the CONTEC website to check the latest details in the document.
- \* The information in the data sheets is as of May, 2025.

### Specifications

#### Function Specifications < 1 / 2 >

Item	Description
CPU [Selection]	Intel® Celeron® Processor G6900TE 2.4GHz Intel® Core™ i3-13100TE Processor 2.4GHz Intel® Core™ i5-13500TE Processor 1.3GHz Intel® Core™ i7-13700TE Processor 1.1GHz
Chip set	Intel® H610E
BIOS	BIOS (mfd. by AMI)
Memory [Selection]	Max32GB, 260pin SO-DIMM Socket x 2, PC5-38400(DDR5 4800) DDR5 SDRAM 16GB: 16GB DDR5 SO-DIMM 4800MHz × 1 32GB: 16GB DDR5 SO-DIMM 4800MHz × 2
Graphic *1	HDMI x 1, DisplayPort x 2, Supports three displays
System resolution	Controller Intel® UHD Graphics 710 (Celeron® Type) Intel® UHD Graphics 730 (Core™ i3 Type) Intel® UHD Graphics 770 (Core™ i5, Core™ i7) Type
	Display Port 800x600, 1024x768, 1152x864, 1280x600, 1280x720, 1280x800, 1280x960, 1280x1024, 1360x768, 1366x768, 1400x1050, 1440x900, 1600x1200, 1680x1050, 1792x1344, 1856x1396, 1920x1080, 1920x1440, 2048x1152, 2048x1536, 2560x1600, 2560x1920, 2560x2048, 3840x2160 (16,770,000 colors)
System resolution	HDMI 800x600, 1024x768, 1152x864, 1280x600, 1280x720, 1280x800, 1280x960, 1280x1024, 1360x768, 1366x768, 1400x1050, 1440x900, 1600x1200, 1680x1050, 1792x1344, 1856x1396, 1920x1080, 1920x1440, 2048x1152, 2048x1536, 2560x1600, 2560x1920, 2560x2048, 3840x2160 (16,770,000 colors)
Storage [Selection]	Removable drive, SATA III 2.5-inch x 2 SATA III 2.5-inch SSD 128GB / 256GB / 512GB / 1TB / 2TB (Max. 2pcs) Hardware RAID (Mirroring)
Optical drive [Selection]	Slim Super Multi drive
Audio	3.5p stereo minijack, HD Audio compliant Line out, Mic in, 1 port
LAN [Selection] *2	2 ports (Max. 3 port), RJ-45 connector - 2.5GBASE-T/1000BASE-T/100BASE-TX/10BASE-T, Wake On LAN support Transmission speed (2500M/1000M/100M/10M bps) On-board: LAN-1: Intel I225-V Controller Selection: LAN-3: Intel I226-LM Controller - 1000BASE-T/100BASE-TX/10BASE-T, Wake On LAN support Transmission speed (1000M/100M/10M bps) On-board: LAN-2: Intel I219-LM Controller
USB	A-Type connector Front : USB 3.2 Gen1 x 2 ports Rear : USB 2.0 x 2 ports, USB 3.2 Gen1 x 4 ports
Serial [Selection] *2	9pin D-SUB connector (male), Baud rate : 50 - 115,200bps On-board : RS-232C/422A/485 x 2 ports Selection : RS-232C x 2 ports
Expansion slot	PCI Express (x16) 1 slot Low Profile support Usable board dimension : Max. 150mm(L) x 67.9mm(H)
Security (TPM)	TCG TPM2.0
Hardware monitoring	Monitoring CPU temperature, system temperature, power voltage
RTC/CMOS	Lithium backup battery life : 7 years or more, The real-time clock is accurate within ±3 minutes (at 25°C) per month
Power Management	Power management setup via BIOS, Power On by Ring / Wake On LAN
Supportable OS [Selection]	Windows 10 IoT Enterprise 2021 LTSC 64bit (Japanese / English / Chinese / Korean) Windows 10 IoT Enterprise 2021 LTSC 64bit (Japanese / English / Chinese / Korean), Trellix Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean) Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean), Trellix

\*1 If the display cable is connected after the PC turns on, Monitor may not be displayed.

\*2 The selection LAN and serial ports cannot be added at the same time.

## Function Specifications < 2 / 2 >

Item	Description
Power supply	
Rated input voltage	100 - 240VAC (50/60Hz)
Range of input voltage	90 - 264VAC
Rated input current	3.5A
Power consumption	250W (Max.)
External device power supply capacity	USB 3.2 Gen1 I/F : +5V : 3.6A (900mA x 4) USB 2.0 I/F : +5V : 1A (500mA x 2) PCI Express (x16) slot, 3.3V : 0.8A, +12V : 3.3A
Physical dimensions (mm)	264(W)×264(D)×112(H) (No protrusions)
Weight	About 4.3kg (Excluding attachment fittings)

## Installation Environment Requirements

Item	Description
Operating temperature	5 - 40°C
Storage temperature	-20 - +60°C
Operating Humidity	20 - 80%RH (No condensation)
Storage Humidity	5 - 80%RH (No condensation)
Floating dust particles	Not to be excessive
Corrosive gases	None
Line-noise resistance	Line noise AC line / ±2kV (IEC61000-4-4 Level 3, EN61000-4-4 Level 3), Signal line / ±1kV (IEC61000-4-4 Level 3, EN61000-4-4 Level 3)
	Static electricity resistance Contact discharge / ±4kV (IEC61000-4-2 Level 2, EN61000-4-2 Level 2) Atmospheric discharge / ±8kV (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)
Vibration resistance	Sweep resistance 10 - 57Hz / semi-amplitude : 0.075 mm, 57 - 150Hz / 9.8m/s <sup>2</sup> (1G) 40 min. each in x, y, and z directions (JIS C60068-2-6 compliant, IEC60068-2-6 compliant)
	Impact resistance 98m/s <sup>2</sup> (10G) / 11ms / half-sine shock for 3 times in x, y, and z directions (JIS C60068-2-27 compliant, IEC60068-2-27 compliant)
Standard	VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A, Low Voltage Directive, RoHS Directive), UKCA, CCC, UL/cUL
Grounding	Class D grounding

## Supported OS

- Windows 10 IoT Enterprise 2021 LTSC 64bit (Japanese / English / Chinese / Korean)
- Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean)

## Included Items

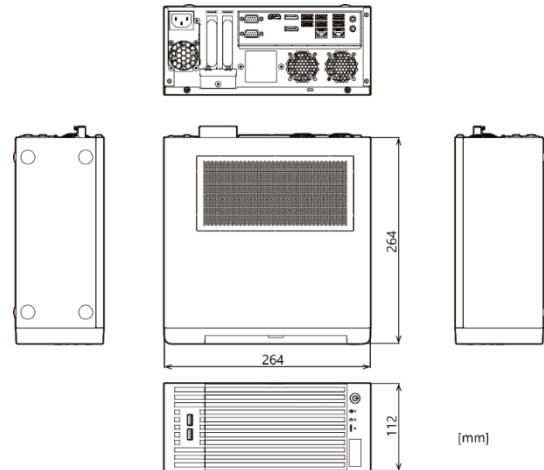
Product...1  
AC cable...1  
Rubber Foot...4  
Countersunk Head screw for HDD \*1...N  
Fixing screws for DVD Drive \*1...N  
Product Guide...1  
Hazardous Substances Management \*2...1  
Jumper pin...2  
Trellix License Label...1 \*3

\*1 The quantity varies depending on the product configuration.

\*2 This is included when it is selected as a CCC support.

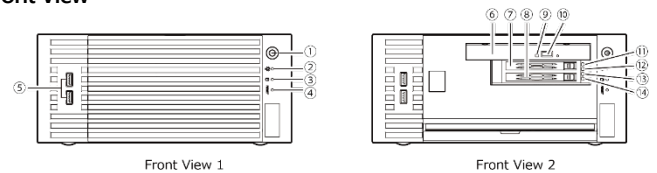
\*3 Trellix pre-installed type only.

## Physical Dimensions



## Nomenclature of Product Components

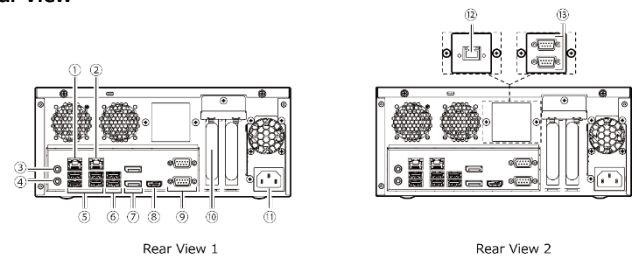
### Front View



No.	Name	Function
1	POWER-SW	Power switch
2	POWER LED	Power ON display LED
3	ACCESS LED	SATA device access display LED
4	RESET SW	Reset switch
5	USB 3.0 1/2	USB 3.2 Gen1(USB 3.0) (Type-A connector) 2 port
6	DVD	Slim super multi drive
7	Drive 0	SATA III 2.5 inch removable drive *1
8	Drive 1	SATA III 2.5 inch removable drive *1
9	DVD ACCESS LED	DVD access display LED *1
10	DVD EJECT SW	Eject switch *1
11	Removable drive POWER LED	Drive connection display LED
12	Removable drive ACCESS LED	Drive access display LED
13	Removable drive POWER LED	Drive connection display LED
14	Removable drive ACCESS LED	Drive access display LED

\*1 These may not be installed depending on the product configuration.

### Rear View



No.	Name	Function
1	LAN 1	2.5GBASE-T/1000BASE-T/100BASE-TX/10BASE-T (RJ-45 connector) 3 port (225-V (LAN-1))
2	LAN 2	1000BASE-T/100BASE-TX/10BASE-T (RJ-45 connector) (219-LM (LAN-2))
3	AUDIO 1	Line out 1 port
4	AUDIO 2	Mic in 1 port
5	USB 3.0 3/4/5/6	USB 3.2 Gen1 (USB 3.0) (Type-A connector) 4 port
6	USB 2.0 1/2	USB 2.0 (Type-A connector) 2 port
7	Display port	Display Port Connector 2 port
8	HDMI	HDMI (19pin HDMI Type-A connector) 1 port

No.	Name	Function
9	SERIAL	On-board: RS-232C/422/485 (9pin D-SUB connector (male)) 2 port
10	Expansion Slot	PCI-Express(×16) slot x 1 Low Profile
11	AC INLET	AC100 - 240V Power input connector
12	LAN3	2.5GBASE-T/1000BASE-T/100BASE-TX/10BASE-T (RJ-45 connector) I226-LM (LAN-3) Selection: 1port *1
13	SERIAL	Selection: RS-232C (9pin D-SUB connector (male)) 2 port *1

\*1 These may not be installed depending on the product configuration.

## Commodity Model

### VPC-720 Model Rule

Model Name V72J

Type Name : S 2 1 0 2 2 1 R 1 2 0 0 0 0

No. : 1 2 3 4 5 6 7 8 9 10 11 12 13 14

No.	Item	Type Name	Description
1	Chassis & Power Supply	S	Standard chassis & total output 250 W standard power supply
2	CPU	1	Intel® Celeron® Processor G6900TE 2.4GHz / 35W
		2	Intel® Core™ Processor i3-13100TE 4.1GHz(Max.) / 35W
		3	Intel® Core™ Processor i5-13500TE 4.5GHz(Max.) / 35W
		4	Intel® Core™ Processor i7-13700TE 4.8GHz(Max.) / 35W
3	Memory	1	DDR5 SO-DIMM 4800MHz / 16GB (16GB x 1)
		2	DDR5 SO-DIMM 4800MHz / 32GB (16GB x 2)
4	Storage 0 (M2 M-Key)	0	None
5	Storage 1 (2.5inch Removable-BAY Upper tier)	0	None
		1	2.5inch SSD (3D TLC) 128GB
		2	2.5inch SSD (3D TLC) 256GB
		3	2.5inch SSD (3D TLC) 512GB
		4	2.5inch SSD (3D TLC) 1TB
		5	2.5inch SSD (3D TLC) 2TB
6	Storage 2 (2.5 inch Removable-BAY Lower tier)	0	None
		1	2.5inch SSD (3D TLC) 128GB
		2	2.5inch SSD (3D TLC) 256GB
		3	2.5inch SSD (3D TLC) 512GB
		4	2.5inch SSD (3D TLC) 1TB
		5	2.5inch SSD (3D TLC) 2TB
7	DVD Multi Drive	0	None
		1	Slim DVD Multi Drive
8	RAID	0	None
		H	Hardware RAID (Mirroring)
9	OS	0	None
		1	Windows 10 IoT Ent 2021 LTSC 64bit (Japanese / English / Chinese / Korean)
		2	Windows 10 IoT Ent 2021 LTSC 64bit (Japanese / English / Chinese / Korean), Trellix
		3	Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean)
		4	Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean), Trellix
10	Extended option -1	0	None
		1	LAN port (RJ45) x 1
		2	COM port (D-SUB 9pin) x 2
11	Extended option -2	0	None
12	Reserve	0	None
13	Reserve	0	None
14	Additional Safety Regulation *1	0	None
		1	CCC
		2	UL
		3	CCC and UL

\*1 The UL and CCC standard compliance of the included AC cable is shown below.

Safety Standard		Included AC power cable		
UL	CCC	UL/PSE	CCC	PSE
No	No	-	-	√
No	Yes	-	√	√
Yes	No	√	-	-
Yes	Yes	√	-	-