

19 inch rack mount type Custom Computers Solution-ePC series SR4000



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

Features

Compatible with Intel® Core™ processor series

Available with a power-saving, high-performance 8th-generation Core processor for advanced computation and drawing performance while minimizing power consumption.

19-inch rack-mountable housing

The product dimensions are [430mm(W)x465mm(D)x174.8mm(H)] and designed to be mounted in a 19 inch rack.

CPU and chipset designed for embedded devices

The adoption of embedded CPUs and chipsets makes it possible to ensure supply stability.

Expandable up to 11 slots of PCI and PCI Express

With the SR4000 series, take advantage of one PCI Express (x16) (x8 signal) expansion slot, one PCI Express (x8) (x8 signal) expansion slot, and nine PCI expansion slots.

Rich variety of interfaces for freely expandable peripherals

SR4000 series has a variety of extended interface such as DVI-I x 1, 1000BASE-T x 2, USB 3.2 Gen1(USB 3.0) x 6, serial (RS-232C) x 2 (Max.).

Adapted an industrial single board computer

An industrial single board computer is used to achieve high reliability as well as long-term product life.

This product is a 19-inch rack-mount industrial-use PC that supports the 8th (Coffee Lake) of Intel® Core™ series and contains the Q370 chipset.

In addition to a wide range of interfaces, the SR4000 series also includes PCI bus expansion slots and PCI Express bus expansion slot.

Solution-ePC is an industrial-use computer that offers BTO (Build to Order) specifications to suit the requests of customers.

Only carefully selected components offering high reliability and stable supply are used, making the product suitable for industrial use.

Various selections are available to meet customer requests, including OS, CPU, memory, and storage options.

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* Visit the CONTEC website to check the latest details in the document.

* The information in the data sheets is as of September, 2026.

Specifications

Function specification

Item			Description	
CPU [Selection]			Intel® Celeron® Processor G4900 3.1GHz	Intel® Core™ i5 Processor 8500 3.0GHz Intel® Core™ i7 Processor 8700 3.2GHz
Chip set			Intel® Q370	
BIOS			BIOS (mfd. by AMI)	
Memory [Selection]			Max. 64GB, 260pin SO-DIMM Socket x 4, non-ECC DDR4 3200 SDRAM 8GB: 8GB DDR4 DIMM 1600MHz x 1 16GB: 16GB DDR4 DIMM 1600MHz x 1 32GB: 32GB DDR4 DIMM 1600MHz x 1 64GB: 32GB DDR4 DIMM 1600MHz x 2	
Graphic *1			DVI-I x 1	
Controller			Intel® HD Graphics 610	Intel® HD Graphics 630
System resolution			Analog RGB	Max. 1920 x 1200 60Hz
			DVI-D	Max. 1920 x 1200 60Hz
Storage [Selection]			5-inch bay x 2 SATA III 3.5-inch HDD 2TB SATA III 2.5-inch SSD 256GB 3D TLC 512GB 3D TLC 1TB 3D TLC	
Optical drive [Selection]			5-inch bay x 1 Super Multi drive	
Audio			None	
LAN			2 ports (RJ-45 connector) 1000BASE-T/100BASE-TX/10BASE-T LAN-1: Intel I219-LM Controller, LAN-2: Intel I225-LA Controller	
USB			A-Type connector Front : USB 3.2 Gen1(USB 3.0) x 2 ports Rear : USB 3.2 Gen1(USB 3.0) x 4 ports	
Serial			9pin D-SUB connector (male), Baud rate : 50 - 115,200bps COM1/COM2 RS-232C	
Expansion slot			PCI bus x 9 slots Usable card dimension: Max. 313.8(L) x 107(H) [mm] PCI Express(x16) bus x 1 slot (x8 signal), PCI Express(x8) bus x 1 slot (x8 signal) Usable card dimension: Max. 312.0(L) x 111.15(H) [mm]	
Security (TPM)			TCG TPM2.0	
RTC/CMOS			The real-time clock is accurate within ±3 minutes (at 25°C) per month, Lithium backup battery life : 7 years or more	
Power Management			Power management setup via BIOS	
Supportable OS [Selection]			None, Windows 10 IoT Enterprise 2019 LTSC 64bit (Japanese / English / Chinese / Korean)	
Power supply				
Rated input voltage			100 - 240VAC (50/60Hz)	
Range of input voltage			90 - 264VAC	

Item	Description
Power capacity	500W (Peak)
External device power supply capacity	USB: USB 3.0 Total 5.4A Extended PCI Express (x8) / Extended PCI (11 slots total): 3.3V 10A, 5V 5.0A, 12V 10A The total of 3.3V and 5.0V should be 35W or less.
Physical dimensions (mm)	430(W)×465(D)×174.8(H) (No protrusions)
Weight	Approx. 18.0kg (Excluding attachment fittings)

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

Installation Environment Requirements

Item	Description
Operating temperature	5 - 40°C
Storage temperature	-20 - +60°C
Humidity	20 - 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) Air discharge / ±8kV (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)
Vibration resistance	Sweep resistance - HDD built-in type (when current is applied) : 10 - 50Hz / 4.9m/s ² (0.5G), 25 min. each in x, y, and z directions (JIS C60068-2-6 compliant, IEC60068-2-6 compliant) * Excluding when the product is vertically placed or using the optical drive - HDD built-in type (when current is not applied) and other types : 10 - 57Hz / semi-amplitude : 0.075 mm, 57 - 150Hz / 9.8m/s ² (1G), 40 min. each in x, y, and z directions (JIS C60068-2-6 compliant, IEC60068-2-6 compliant) * Excluding when the product is vertically placed or using the optical drive
	Impact resistance 98m/s ² (10G) / 11ms / half-sine shock for 3 times in x, y, and z directions (JIS C60068-2-27 compliant, IEC60068-2-27 compliant) * Excluding when the product is vertically placed or using the optical drive
Grounding	Class D grounding
Standard	VCCI Class A, RoHS

Included Items

SR4000 Series	
Name	Pcs.
The Main Body	1
AC Power Cable (125VAC, 3p type)	1
DVI-Analog RGB Branch Cable	1
Slot Cover	3 *1
Countersunk Head Screw (#6-32UNCx4)	8 *1
Countersunk Head Screw (M3x4)	8 *1
Mouse	1 *2
Keyboard	1 *2
Front Bezel Key	2
Security Key	2 *2
Product Guide	1

*1 The number of included items varies depending on the selection.

*2 Configuration differs depending on the selection.

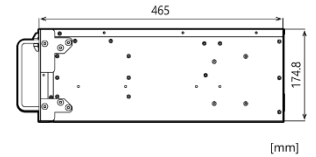
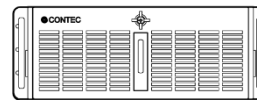
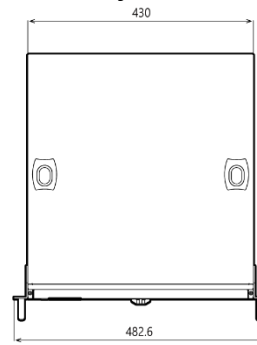
Supported OS

Windows 10 IoT Enterprise 2019 LTSC 64bit (Japanese / English / Chinese / Korean)

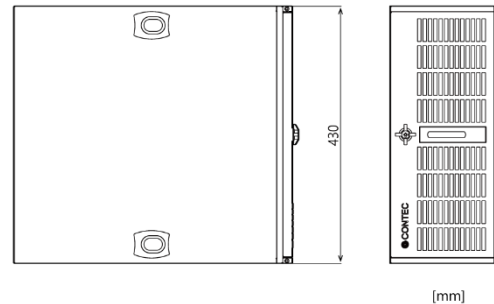
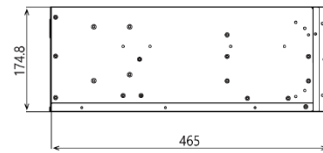
Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean)

Physical Dimensions

Horizontally Placed



Vertically Placed



Replacement Parts for Maintenance

Parts name	Type	Description
SSD	SSD-256GS-2TARW	2.5 inch SATA SSD 256GB (set of 2 for RAID)
	SSD-512GS-2TARW	2.5 inch SATA SSD 512GB (set of 2 for RAID)

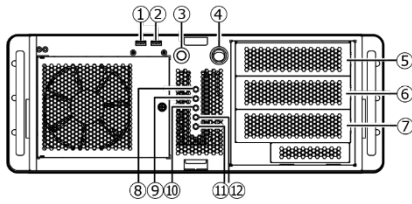
CAUTION

If a product other than our replacement parts one is used, the normal operation may be impaired or the functions may be limited.

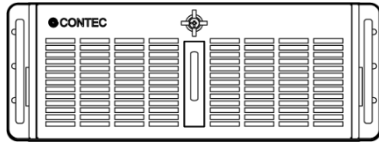
* Visit the CONTEC website for the latest replacement parts for maintenance.

Component Name

Front View



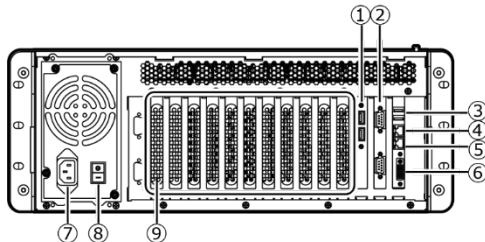
< With front bezel attached >



No.	Name	Function
1	USB 1	USB 3.2 Gen1(USB 3.0) (Type-A connector)
2	USB 2	USB 3.2 Gen1(USB 3.0) (Type-A connector)
3	RESET SW	System Reset switch
4	POWER SW	Power switch
5	5-inch bay A	DVD : Slim Super Multi Drive *1
6	5-inch bay B	Storage (HDD, SSD) installed *1
7	5-inch bay C	Storage (HDD, SSD) installed *1
8	PWR LED	Power ON display LED
9	HDD LED	SATA device access display LED
10	LAN2 LED	LAN2 link LED
11	ALARM LED	Not used
12	LAN1 LED	LAN1 link LED

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

Rear View



(From left to right: Slot1 - Slot11)

No.	Name	Function
1	USB 3/4	USB 3.2 Gen1(USB 3.0) (Type-A connector) 2 ports
2	SERIAL 1/2	RS-232C (9pin D-SUB connector (male)) 2 ports COM1/COM2
3	USB 5/6	USB 3.2 Gen1(USB 3.0) (Type-A connector) 2 ports
4	LAN 2	1000BASE-T/100BASE-TX/10BASE-T (RJ-45 connector) I225-LA: Ethernet2
5	LAN 1	1000BASE-T/100BASE-TX/10BASE-T (RJ-45 connector) I219-LM: Ethernet
6	DVI-I	Display (29pin, female) port
7	AC INLET	100 - 240VAC Power input connector
8	AC power SW	Main power switch
9	Expansion slot	Slot 1: PCI slot Slot 2: PCI slot Slot 3: PCI slot Slot 4: PCI slot Slot 5: PCI slot Slot 6: PCI slot Slot 7: PCI slot Slot 8: PCI slot Slot 9: PCI slot Slot 10: PCI Express 3.0(x16) slot(x8 signal) Slot 11: PCI Express 3.0(x8) slot

Commodity Model

SR4000 series Type Rule

Model Name	SR4000												
Type Name	SR40x0-												
No.	S	5	1	2	0	1	0	2	3	0	0	0	0
	1	2	3	4	5	6	7	8	9	10	11	12	13

No.	Item	Type Name	Description
1	Power	S	500W ATX power supply
2	CPU	1	Intel® Celeron® G4900 Processor 3.1GHz/54W
		2	Intel® Core™ i5-8500 Processor 4.1GHz/65W
		3	Intel® Core™ i7-8700 Processor 4.6GHz/65W
3	Memory	1	8GB DDR4 1600MHz x 1
		2	16GB DDR4 1600MHz x 1
		3	32GB DDR4 1600MHz x 1
		4	32GB DDR4 1600MHz x 2
4	Storage 1	0	None
		1	2TB 3.5inch HDD
		A	256GB 2.5inch SSD (3D TLC)
		B	512GB 2.5inch SSD (3D TLC)
		C	1TB 2.5inch SSD (3D TLC)
5	Storage 2	0	None
		1	2TB 3.5inch HDD
		A	256GB 2.5inch SSD (3D TLC)
		B	512GB 2.5inch SSD (3D TLC)
		C	1TB 2.5inch SSD (3D TLC)
6	Optics system drive	0	None
		1	DVD Super Multi Drive
7	RAID	0	None
8	OS	0	None
		1	Windows 10 IoT Enterprise 2019 LTSC 64bit (Japanese / English / Chinese / Korean)
		3	Windows 11 IoT Enterprise LTSC 2024 (Japanese / English / Chinese / Korean)
9	Mouse, Keyboard (option)	0	None
		1	Mouse (USB)
		2	Japanese Keyboard (USB)
		3	Mouse (USB), Japanese Keyboard (USB)
		4	English Keyboard (USB)
		5	Mouse (USB), English Keyboard (USB)
10	Reserved 1	0	None
11	Reserved 2	0	None
12	Additional standards and additional AC cable	0	AC cable (Standard PSE)
13	Reserved 3	0	None