

6th Generation Intel® Core™ Processor (Skylake)

FA Computer EPC-3000 series

A Compact and High-Performance Embedded PC with Superior Scalability



BTO (Build-to-Order) Types to Meet Any Need



EPC-3010 (standard)

EPC-3010P2 (2 slots)

EPC-3010P4 (4 slots)

- Equipped with Powerful 6th Gen. Intel® Core™ processor “Skylake”**
 Enables powerful edge computing by using a 6th generation Intel® Core™ processor capable of both real-time, high-speed processing and advanced graphics processing.
- Three Gigabit LAN ports for alternating connections between different network layers**
 This makes it the optimal device for IoT gateway applications that alternate connections between different network layers such as between field buses and controllers within a factory and higher-order information system networks.
- Equipped with a CPU-integrated high-performance graphics controller that supports both 4K output and triple screen display functionality**
 Core i7 and i5 models support Intel HD Graphics 530, while Celeron models support Intel HD Graphics 510. Smoothly plays even 4K high-definition video.
 Also supports triple screen output using DVI-I, DisplayPort, and HDMI.
- Employs removable storage for enhanced maintainability**
 This product uses a 2.5-inch SATA storage device, which is accessible from the front of the product, and also supports RAID functions (mirroring) for enhanced stability.
- Physical dimensions and mounting specifications compatible with conventional models**
 In order to facilitate the replacement of conventional EPC-2010 series, physical dimensions and mounting brackets have been kept the same.

Application : Edge Computing for smart factory, Embedded Controller for semi conductor machine



Specifications

Model	EPC-3010		EPC-3010P2	EPC-3010P4
CPU [Selection]	[Intel® Core™ i7 Processor 6700TE 2.4GHz] [Intel® Core™ i5 Processor 6500TE 2.3GHz] [Intel® Celeron™ Processor G3900TE 2.3GHz]			
Chipset	Intel® Q170			
BIOS	AMI BIOS			
Memory [Selection]	Max. 16GB,260 pin SO-DIMM socket × 2, PC4-17000(DDR4 2133)DDR4 SDRAM [8GB(1x8GB)] [16GB(2x8GB)]			
Graphic				
Controller		Intel® HD Graphics 530 (Core™ i7, Core™ i5 model) Intel® HD Graphics 510 (Celeron™ model)		
System Resolution	HDMI	800×600,1024×768,1152×864,1280×600,1280×720,1280×768,1280×800, 1280×960,1280×1024,1360×768,1366×768,1400×1050,1440×900,1600×900, 1600×1200,1680×1050,1920×1080,1920×1440,2048×1152,2048×1536, 2560×1600,2560×1920,2560×2048,3840×2160 (16,770,000 colors)		
	Display Port	800×600,1024×768,1152×864,1280×600,1280×720,1280×768,1280×800, 1280×960,1280×1024,1360×768,1366×768,1400×1050,1440×900,1600×900, 1600×1200,1680×1050,1920×1080,1920×1440,2048×1152,2048×1536, 2560×1600,2560×1920,2560×2048,3840×2160 (16,770,000 colors)		
	DVI-I	800×600,1024×768,1152×864,1280×600,1280×720,1280×768,1280×800, 1280×960,1280×1024,1360×768,1366×768,1400×1050,1440×900,1600×900, 1600×1200,1680×1050,1920×1080 (16,770,000 colors)		
Storage [Selection]	SATA II 2.5”HDD 500GB (MAX. x 2) SATA II 2.5”SSD 256GB (MAX. x 2) [None] [500GB HDDx1] [500GB HDDx2] [256GB SSD(MLC)x1] [256GB SSD(MLC)x2] [Software RAID setting available]			
Audio	HD Audio compliant, LINE OUT x 1, , LINE IN x 1, MIC IN x 1			
LAN	LAN-A : Intel I219-LM controller, LAN-B,C : Intel I210-AT controller 1000BASE-T/100BASE-TX/10BASE-T, Wake On LAN support			
USB	USB 3.0 compliant			
Serial	RS-232C (general-purpose) : 4ch, Baud rate : 50 - 115,200bps			
Expansion slot	None	PCI slot x 2 Usable board dimension : (Max.) 176(L)×110(H) [mm]	PCI-Express(x8) slot x 1 PCI slot x 3 Usable board dimension : (Max.) 176(L)×110(H) [mm]	
Hardware monitor	Monitoring CPU temperature, power voltage			
Watchdog timer	Software programmable, 255 level (1sec - 255sec) Time up allows reset.			
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 setting by BIOS, Power On by Ring / Wake On Lan function			
Interface				
Display	DVI-I×1, HDMI×1, DisplayPort×1 Supports triple screen output			
Audio	LINE OUT : 3.5φ Stereo mini jack (LINE OUT, LINE IN, MIC IN)			
Serial ATA	2 slots, removable type, 2.5” SATA hard disk, Serial ATA2.0 ports			
LAN	3 ports (RJ-45 connector)			
USB	6 ports (TYPE-A connector)			
RS-232C	4 ports (9 pin D-SUB connector [male])			
GPIO	6 points (input/output is chosen by BIOS setup)			
OS [Selection]	[None] / [Windows10 IoT Enterprise 2019 LTSC 64bit Multi-language (JPN/ENG/CHN/KOR)] / [Windows 10 IoT Enterprise 2016 LTSB 64-bit (JPN/ENG/CHN/KOR)] / [Windows 7 Professional SP1 for Embedded Systems 32-bit (JPN/ENG)] / [Windows 7 Professional SP1 for Embedded Systems 64-bit (JPN/ENG)]			
Standard	CE Marking (EMC Directive Class A, RoHS Directive), FCC Class A, UKCA, VCCI Class A			

* This product is a Built-to-Order (BTO) type in which the customer can select the CPU, memory, storage, OS, etc., at the time of order.

Contec Global Network

U.S.A.

CONTEC AMERICAS INC.
3991 Sarno Road, Melbourne, FL 32934 U.S.A.
Tel. : +1-321-728-0172
e-mail : sales@us.contec.com

TAIWAN

TAIWAN CONTEC CO., LTD.
9FL, No. 738, Zhongzheng Road,
Zhonghe District, Xinbei 23511 TAIWAN
Tel. : +886-2-8227-8669

CHINA

CONTEC (SHANGHAI) CO., LTD
Room 1002, Qilai Building, No. 889,
Yishan Road, Xuhui District, Shanghai
200233 CHINA
Tel. : +86-21-5401-2288

SINGAPORE

SINGAPORE CONTEC PTE. LTD.
Blk 4010, Ang Mo Kio Ave. 10 #07-01
Techplace I, 569626 SINGAPORE
Tel. : +65-6459-1667

KOREA

CONTEC CO., LTD. KOREA BRANCH
19, Cheongmyeong-ro 21beon-gil,
Yeongtong-gu, Suwon-si, Gyeonggi-do,
16705 KOREA

INDIA

CONTEC CO., LTD. India Liaison Office
Unit No. DPT-134, First Floor,
DLF Prime Towers, Okhla Phase- 1,
New Delhi -110020, INDIA
Tel. : +91-11-40541327

<https://www.contec.com/>

Headquarters: CONTEC CO., LTD. (Japan)
3-9-31, Himesato, Nishiyodogawa-ku, Osaka 555-0025, Japan
Tel:+81-6-6477-5219 e-mail:intsales@jp.contec.com