

## ECC-E011C(W7)E

Intel Core i7 620UE Class Assembly Devices CFast Model



RoHS

CFast Model	Intel Core i7 620UE	Windows 7 Professional for Embedded Systems
CFast slot x 2	Memory ECC 2 GB	Low power consumption DC power input range: +7 Vdc to +27 Vdc
Analog RGB x 1	LAN x 2 (1 Gbps), USB x 4, RS-232C x 1, RS-485 x 1, High-speed CAN x 1	265 (W) x 187.2 (D) x 40 (H) [mm]

### Applications

- Destination Display Control (inside trains & buses)
- Gate Board at Train Terminal
- Data acquisition and control for Specialized Industrial Machinery
- Vibration Test
- Vehicle Computer
- Station Doorway Control Computer
- Building Entrance Security Sensor & Control Computer

### Overview

The ECC-E011C(W7)E embedded CFast Model is empowered by the Intel Core i7 620UE processor with ECC memory, and features two CFast slots. The operating system can boot from a CFast card. The ECC-E011C(W7)E has a CAN interface and can be used as an in-car system. The ECC-E011C(W7)E does not have any moving parts such as hard disk drive or cooling fan.

### Features

- [Intel Core i7 620UE with ECC memory \(on-board 2 GB\)](#)  
Achieves high memory reliability and high computing performance.
- [Four USB 2.0 ports and two Gigabit Ethernet ports](#)  
Provide bidirectional communications with field devices.
- [Digital input/output pins and audio jacks](#)  
Easily connect warning devices such as revolving warning lights and buzzers.
- [System monitoring libraries](#)  
Monitor system status including WDT, temperature, power voltage, and RAS.
- [Single-side interface connectors](#)  
All connectors are on one side for easy installation.
- [Windows 7 Professional for Embedded Systems](#)  
Makes maximum use of video input and communication functions of the product.

All product specifications are subject to change without prior notice.

## Specifications

CPU	Processor	Intel Core i7 620UE
	Frequency	1.06 GHz
Type	Energy Efficiency Industrial PC ECO CFast Model	
Chipset	Intel Mobile QM57 Chipset	
BIOS/Loader	Phoenix SecureCore Tiano (TM)	
Main Memory	On-board ECC 2 GB	
Graphics	Controller	Included in CPU
	Video Memory	Uses the main memory
	Resolution	800 x 600 (True Color), 1024 x 768 (True Color), 1280 x 768 (True Color), 1280 x 1024 (True Color), 1400 x 1050 (True Color), 1680 x 1050 (True Color), 1600 x 1200 (True Color), 1920 x 1080 (True Color), 1920 x 1200 (True Color), 2048x1536 (True Color) * Maximum resolutions may vary depending on monitor's resolution.
OS	Windows 7 Professional for Embedded Systems	
Boot Device	CFast 16 GB	
Auxiliary Device	CFast (Prepare a CFast card.)	
Free Space of Boot Drive	4.2 GB	
Switch	Power switch	
LED	Power indicator LED x 1, disk access LED x 1, hot swap LED x 1	
Interfaces	USB	USB 2.0 (Series A connector) x 4
	LAN	RJ-45 connector x 2 (1 Gbps x 2)
	Audio	Line output: stereo mini-jack (ø3.5 mm) x 1
		Line input: stereo mini-jack (ø3.5 mm) x 1
	Display	Analog RGB x 1
		15-pin D-sub connector
	Serial Port	1 channel 9-pin D-sub connector
	CAN	High-speed CAN x 1 * Available functions are limited to the same level as PCI-485120 (standard version). Refer to the software help for details.
	RS-485	1 channel
	Fiber Optic	SFP connector x 1
	Digital Input/output	Isolated 8-channel digital input (all interrupt), isolated 8-channel digital output
External Input/output	4-pin connector (power on/off, normally-open relay contact RAS output x 1)	
Dimensions (W x D x H)	265 x 187.2 x 40 [mm]	
Input Voltage	+7 Vdc to +27 Vdc	
Chassis Cooling Fan	None	
Calendar Clock Backup Battery	Large capacity battery (typical life time: 10 years) BR-1/2AA (Panasonic Corporation)	
Hardware Monitoring	Board temperature/temperature around memory/power supply voltage	
Watchdog Timer	Software programmable (1 to 255 seconds) Time-up notification is software selectable either reset or interruption.	
Environment Conditions	Temperature: 0 degrees C to +50 degrees C Humidity: 20% to 90% (non condensing)	
Weight	2.2 kg	
MTBF	62008 hours	



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