

Ultra Small Industrial Computer "SuperCD" Atom E3845 (Bay Trail) Model

Model		DC power supply model	Power over Ethernet (PoE) PD model
Type	(xx):Selectable OS	VAC-G019(xx)E*	VAC-G419(xx)E*
OS		Windows Embedded Standard 7 (S7X) (64 bit) Windows 10 IoT Enterprise 2016 LTSB (W10XB) (64 bit) Interface Linux System 7 (L7X) (64 bit)	
CPU	Processor	Intel Atom Processor E3845 (Bay Trail) 1.91 GHz	
	Core	4	
	Thread	4	
	CPU Fan	No	
Chip Set		Built into processor	
Main Memory		2 GB (DDR3L)	
BIOS/Loader		Phoenix SecureCore Technology 3.0	
Calendar Clock Backup Battery		Precision: Within 1 min. month difference Large capacity battery (typical life time: 10 years), BR-1/2AA (Panasonic Corporation)	
Storage	Boot Device	SSD 32 GB	
	Auxiliary Device	CFast slot (CFast card sold separately)	
Graphics	Controller	CPU/Chip set built into processor	
	Resolutions	2560×1600, 2560×1440, 2560×1080, 1920×1440, 1920×1200, 1920×1080, 1680×1050, 1600×1200, 1440×900, 1280×1024, 1280×800, 1280×720, 1152×864, 1024×768, 800×600, 640×480 * Maximum resolutions may vary depending on monitor's resolutions.	
Interface	Display	DisplayPort v1.1a×1 port * DisplayPort v1.1a can connect only one display.	
	Audio	Realtek ALC898 Line output x 1 port (stereo Φ3.5 mini jack) (Impedance: 75Ω) Microphone input x 1 port (stereo Φ3.5 mini jack) (Impedance: 16kΩ or more)	
	LAN	2 ports (RJ-45 connector) LAN1: WGI210IT (Intel) LAN2: WGI210IT (Intel) 1000BASE-T/100BASE-TX/10BASE-T, Wake On LAN, Jumbo-Frame, Teaming (S7X and L7X only) supported	3 ports (RJ-45 connector) LAN1: WGI210IT (Intel) LAN2: WGI210IT (Intel) LAN3: WGI210IT (Intel) 1000BASE-T/100BASE-TX/10BASE-T, Wake On LAN (LAN1 and LAN2 only), Jumbo Frame, Teaming (S7X and L7X only) supported
	USB	4 ports (USB Rev.2.0 Series A connector)	
	RS-232C	Channel: 1 ports (No-isolation) Connector: DF11 10-pin connector Transfer Rate: 115.2 kbps (max.)	
	Digital Input	Number of input contacts: 4 (No-isolation) Connector: Terminal Block Connector Input configurations: Photo-isolated high-voltage input (source type) Input signal voltage range: +5 Vdc to +48 Vdc	
Relay Output	Number of output contacts: 4 (Photo-MOS isolation) Connector: Terminal Block Connector Relay Type: Photo MOS relay (Form A relay) Maximum Output Voltage: +35Vac / +50Vdc		
Switch		Power Switch	
LED		Power indicator LED, Disk access LED, Alarm LED	
Buzzer		1	
RAS	Hardware Monitoring	CPU temperature / Board temperature / Power supply voltage / Battery voltage (on start-up)	
	Watchdog Timer	Software programmable (1 s to 255 s) *Time-up notification is software selectable reset or interruption	
	External Input/output	Power on/off x 1 (combined with digital input signal), RAS output x4 (combined with digital output signal)	
Chassis Cooling FAN		No	
Power Supply	Input Voltage	Typ.: +6 Vdc to +37 Vdc (Continuous operation) Max.: 0 Vdc to +40 Vdc	Class 4 PoE+ (IEEE802.3at)
	Power Consumption	7.3 W (typ.), 14.6 W (max.)	9.1 W (typ.), 17.1 W (max.)
	External Device Power Supply Capacity	USB I/F: +5 Vdc (The maximum power supply current is 0.5 A per port.) *The total consumption current of all the devices on the USB I/F must be less than or equal to 0.5 A.	
Mounting Orientation		Upright / Horizontal	
Weight		460g	470g
Operating Temperature/Humidity		Temperature: -30 degrees C to +50 degrees C, Humidity: 10 % to 90 % (non-condensing)	
Dust		Typical office environment	
Corrosive Gas		Non	
Noise Immunity		Electrostatic discharge immunity contact: +/-4 kV, air: +/-8 kV Radiated radio frequency electromagnetic field immunity 10 V/m Conducted disturbance immunity 10 V Electrical fast transient burst immunity Signal line: 1 kV, power line: 2 kV	
Vibration Resistance		Up to 5 G	
Shock Resistance		Up to 15 G	
Dimensions (W x D x H)		122 × 93 × 41 [mm]	