

**Specifications**
**VAC-G019(L7X) Intel Atom E3845 1.91GHz SuperCD**

<b>Type</b>		VAC-G019(L7X)
<b>CPU</b>	<b>Processor</b>	Intel Atom Processor E3845 1.91 GHz
	<b>Core / Thread</b>	4 / 4
<b>Chip Set</b>		Northbridge (built into processor)
<b>Main Memory</b>		2GB(DDR3L-1333)
<b>BIOS/Loader</b>		Phoenix SecureCore Technology
<b>Graphics</b>	<b>Controller</b>	Built into CPU/chip set
	<b>Video Memory</b>	Main Memory (partial use)
	<b>Resolution</b>	2560×1600, 2048×1536, 2048×1152, 1920×1080, 1600×1200, 1600×900, 1400×1050, 1280×1024, 1280×960, 1280×768, 1280×720, 1152×864, 1024×768, 800×600, 640×480 * Maximum resolutions may vary depending on display monitor's resolution * May not display on some types of connected display monitor
<b>OS</b>		Interface Linux System 7 (64bit) (Japanese/English/Chinese)
<b>Boot Device</b>		SSD 32GB
<b>Auxiliary Device</b>		CFast (sold separately)
<b>OS Size</b>		7.1GB
<b>Switch</b>		Power Switch
<b>LED</b>		Power Indicator LED, Disk Access LED, Alarm Lamp
<b>Buzzer</b>		1
<b>Interfaces</b>	<b>USB</b>	4 ports (USB 2.0 Series A connector) Current: 0.5A or less/port, Total Current: 1.0A or less
	<b>LAN</b>	2 ports (RJ-45 connector) LAN1 : WG1210IT(Intel) LAN2 : WG1210IT(Intel) 1000BASE-T/100BASE-TX/10BASE-T, Wake On LAN compatible, Jumbo Frame compatible, Teaming compatible
	<b>Audio</b>	Realtek ALC898 Line Output : φ3.5 minijack×1(stereo) (Impedance : 75Ω) Mic Input : φ3.5minijack×1(stereo) (Impedance : 16kΩ~)
	<b>Display</b>	1 port (Display Port v1.1a)
	<b>Serial Communications (RS-232C)</b>	Channel: 1 (not isolated) Connector: DF11 connector 10-pin Transfer Rate: 115.2kbps (max)
	<b>Digital Input</b>	Points: 4 (not isolated) Connector: Terminal block connector Spec : Photo coupler type high voltage contact input (sink type output compatible) Voltage: +5 Vdc~+48 Vdc
	<b>Relay Contact Output</b>	Points : 4 Connector : Terminal block connector Spec : Photo MOS relay (1a contact) Max Load Voltage : AC35V /DC50V
<b>External Dimensions</b>		122(W) x 93(D) x 41(H) [mm]
<b>Power-supply Voltage</b>		Max Rated Voltage: DC+0V~DC+40V Operating Voltage: DC+6V~DC+37V
<b>Power Consumption</b>		7.2W(TYP), 14.6W(MAX)
<b>Enclosure Fan</b>		None
<b>Calendar Clock</b>		Accuracy : Within 1 min. per month (stored on 25°C) Battery Life time: Approx. 10 years (ambient temp 50°C, Non-energized state for 24hrs a day ) BR-1/2AA (Panasonic Corporation)
<b>RAS</b>	<b>Hardware Monitoring</b>	CPU Temperature / Board Temperature / Power-supply voltage
	<b>Watchdog Timer</b>	Software programmable (1 to 255 seconds) Time-up notification is software selectable reset or interruption
	<b>RAS Output</b>	Board temperature/CPU temperature/ power supply voltage
	<b>External I/O</b>	<b>Input</b> Power ON/OFF x 1 (shared with digital input signal) Software selectable
		<b>Output</b> Power ON/OFF x 1 (shared with digital input signal) WDT, Temp, Power software selectable
<b>Environmental Resistance</b>	<b>Vibration / Shock</b>	Vibration resistance: ~5.0 G Impact resistance : ~15G (non-operational)
	<b>Noise</b>	Electrostatic Discharge Immunity: Contact discharge ±4kV, air discharge: ±8kV Radiated electromagnetic field immunity: 10V/m Conducted disturbances immunity:10V FTB Immunity: signal line 1kV, power line: 2kV
<b>Operating Conditions</b>		Ambient Temperature: -30°C ~+50°C (continuous operation), -30°C ~+80°C (bootu0p), Humidity: 10 % to 90 % (non-condensing)
<b>Pre-installed OS</b>		Interface Linux System 7 (32bit) (Japanese/English/Chinese)
<b>Lifetime parts</b>		Built-in SSD -Expected Lifetime: 10 years or number of writing -Write Limit: TBW(TeraBytesWritten) 39.06, Data Retention 10 years (Initial Value) Calendar Clock Battery Expected Lifetime: 10 years (ambient temp 50°C, Non-energized state for 24hrs a day ) 2 years (ambient temp 80°C, Non-energized state for 24hrs a day )
<b>MTBF</b>		153692 Hrs.
<b>JAN CODE</b>		4957451630156