



ECM-CFS

8th Gen Intel® Core™ i7/i5/i3/Celeron® 3.5" Micro Module with Intel® Q370/H310 chipset

- > Intel® Coffee Lake Low power LGA 6+2, 4+2 (35W) Processor
- > Intel® Q370/H310 Express Chipset
- > One 260-pin SODIMM Socket Up to 16GB DDR4 2400/2666MHz
- > Triple Display, 2-HDMI, 18/24-bit 2-CH LVDS
- > Rich I/Os, 2-SATA III, 1-Mini PCIe, 4-USB 3.1, 2-USB 2.0, 2-COM, 2-LAN, 8-bit GPIO
- > Realtek AL892 Audio Codec
- > Dual Intel® Gigabit LAN Chipset
- > TPM 2.0 (from Firmware TPM)

Spec

System	
Processor	Intel® Core™ i7-8700T Processor (12M Cache, up to 4.00 GHz) Intel® Core™ i5-8500T Processor (9M Cache, up to 3.50 GHz) Intel® Core™ i3-8100T Processor (6M Cache, 3.10 GHz) Intel® Pentium® Gold G5400T Processor (4M Cache, 3.10 GHz) Intel® Celeron® G4900T Processor (2M Cache, 2.90 GHz)
System Chipset	Intel® Q370/H310 Express Chipset
System Memory	1 x 260-pin SODIMM Socket Up to 16GB DDR4 2400/2666MHz
BIOS	AMI UEFI BIOS, 256 Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
TPM	TPM 2.0(from Firmware TPM)
Expansion	
Expansion	1 x Mini PCIe (mSATA) (Q370 support PCIe/SATA/USB 2.0) (H310 support SATA/USB2.0)
Storage	
Storage	1 x mSATA
I/O	
USB	2 x USB 2.0 4 x USB 3.1(w/Q370 Gen2, w/H310 Gen1)
SATA	2 x SATA III
COM Port	2 x RS-232
MIO	1 x LPC 1 x SPI
GPIO	1 x 8bit GPIO
Display	
Chipset	Processor Graphics Intel® UHD Graphics 630 (i7-8700T, i5-8500T, i3-8100T) Intel® UHD Graphics 610 (Pentium G5400T, Celeron G4900T)
Resolution	Dual HDMI: Max. resolution 4096x2304 @ 30Hz LVDS: Max. resolution 1920x1080 @ 60Hz
Multiple Display	Triple Display(2 x HDMI, 1 LVDS)
Audio	
Chipset	Realtek ALC892
Audio Interface	Mic-In, Line-In, Line-Out
Ethernet	
Chipset	1 x Intel® I211AT 1 x Intel® I219LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V
ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)



Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)
Certifications	
Certification Information	CE, FCC Class B
Software Support	
OS Information	Win 10, Linux
System Control	
LED Indicator	1 x Power on/off LED on Rear side 1 x Storage Access LED on Rear side

+ Ordering

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660