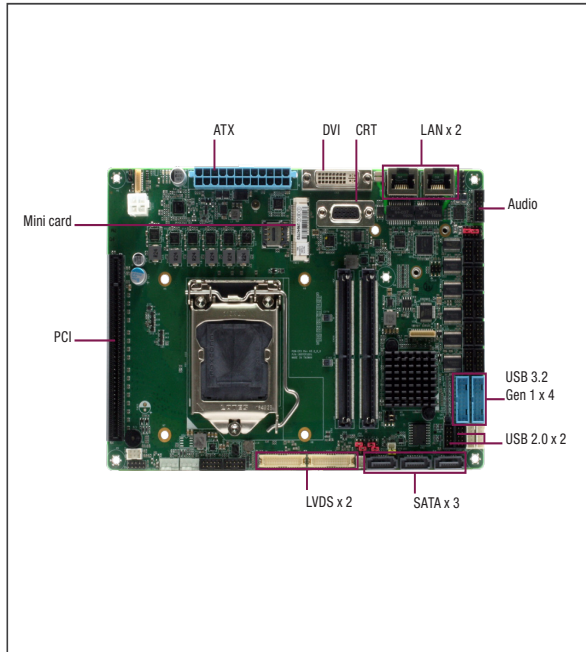


PCM-CFS

Compact Board with 8th/9th Generation Intel® Core™ i7/i5/i3 and Celeron® Processor (socket type)

Compact Boards



Features

- 8th/ 9th Gen Intel® Core™ i7/i5/i3/ Celeron Socket Type CPU (Up to 65W)
- DDR4 SODIMM Slot x 2, up to 32GB
- Dual LVDS, VGA x 1, DVI x 1
- PCIe[x16] Expansion Slot x 1
- GbE x 2, HDA x 1 (Line-in, line-out, speaker out)
- Half size mPCIe x 1 (With Nano-SIM), M.2 B key 2280 Slot x 1, M.2 M key 2280 Slot x 1
- SATA 6.0 Gb/s x 3, USB 3.2 Gen 2 x 4, USB2.0 x 4, Touch x 1 (4/5/8 Wire)
- TPM2.0 x 1, RS232 x 8, RS232/422/485 x 2
- CPU/System FAN connector x 2, DIO 16 bit
- ATX Power Design



Specifications

System	
Form Factor	5.25" Compact Board
CPU	8th/9th Generation Intel® Core™ i7/i5/i3/Celeron® Socket Type (Up to 65W)
CPU Frequency	Up to 5.0GHz
Chipset	Intel® Q370 (TDP: 6W)
Memory Type	SODIMM DDR4 Memory Slot x 2
Max. Memory Capacity	Up to 32GB
BIOS	UEFI only
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	ATX
Power Supply Type	ATX
Power Consumption (Typical)	CPU 65W TDP
Dimension (L x W)	203mm x 146mm
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-4°F ~ 176°F (-20°C ~ 80°C)
Operating Humidity	0 ~ 90% @ 40°C, non-condensing
MTBF (Hours)	TBD
Certification	CE/FCC Class A
Display	
VGA/LCD Controller	8th Generation Intel® Core™ Processor family
Video Output	LVDS x 2, CRT x 1, DVI x 1
Backlight inverter supply	18/24bit (2CH)
I/O	
Ethernet	Intel® GbE i219 x 1, Intel® GbE i211 x 1
Audio	ALC269 (With Amplifier)
USB Port	USB 3.2 Gen 1 x 4, USB 2.0 x 4 (All headers)
Serial Port	RS232 x 8, RS232/422/485 x 2 (All headers)
Parallel Port	—
HDD Interface	SATA 6.0 Gb/s x 3

FDD Interface	—
SSD	—
Expansion Slot	M.2 3042/2280 Slot (B key) x 1 M.2 2280 Slot (M key) x 1 Half size mPCIe x 1 SMBus/I2C/LPC x 1
DIO	16-bit
SIM	—
TPM	TPM 2.0
Touch	—

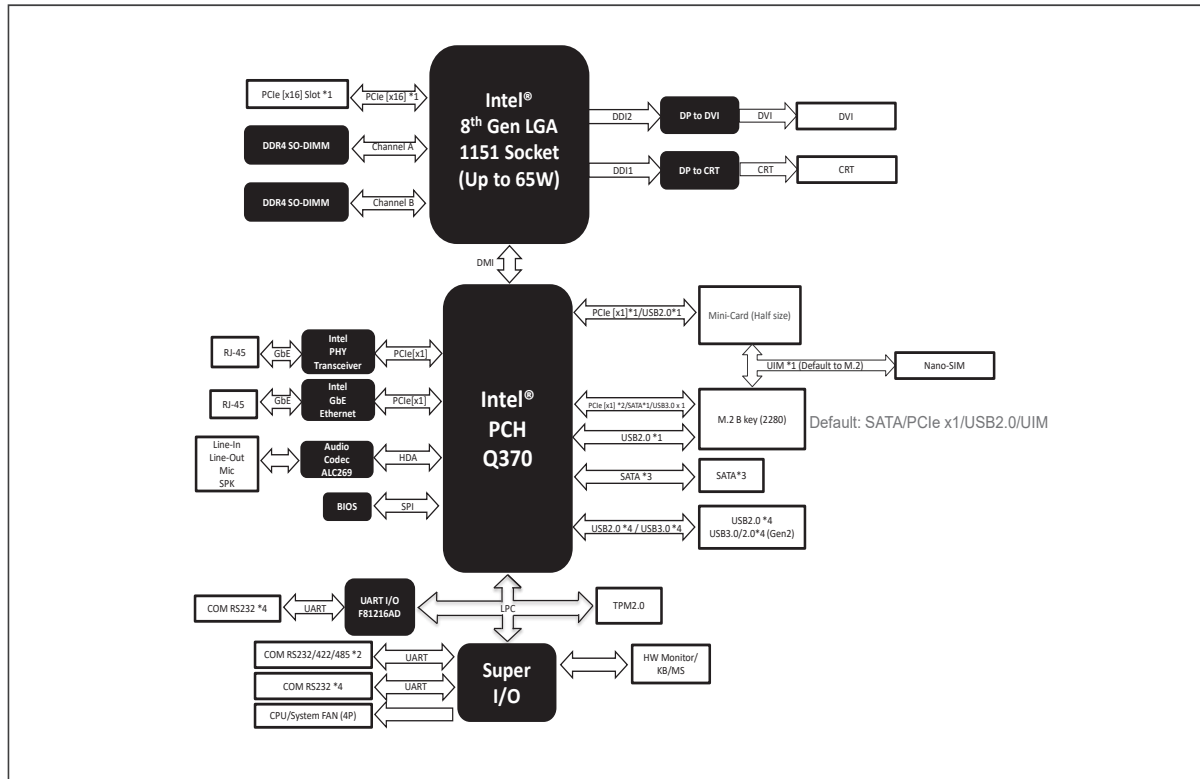
Packing List

- Jumper Cap (965766600)
- Back plate for cooler (M09KBS9000)
- PCM-CFS

Optional Accessories

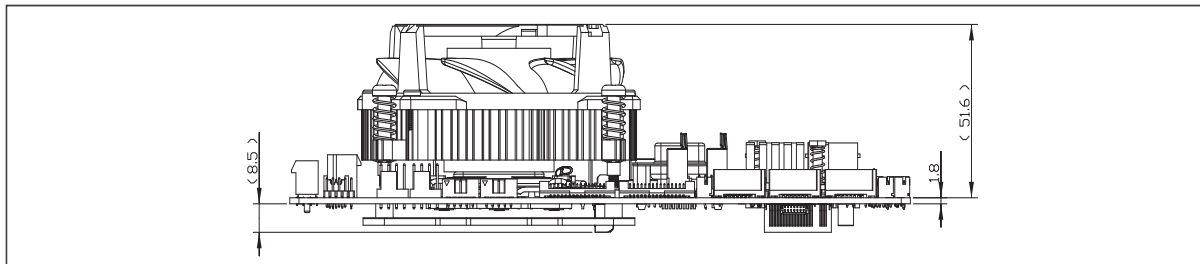
Part Number	Description	QTY
1700190450	USB 3.2 Cable.2 PORTS.w/ bracket 45cm	2
1709100201	USB Cable.2.0mm.W/Bracket 20cm	2
1701100206	COM Cable 20cm	10
1700140510	Audio Cable 51cm	1
1702150155	SATA Power Cable 15cm	1
1709070500	SATA Cable 50cm	3
17592KBS91	CPU Cooler	1

Block Diagram



Dimension

Unit: mm



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.

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