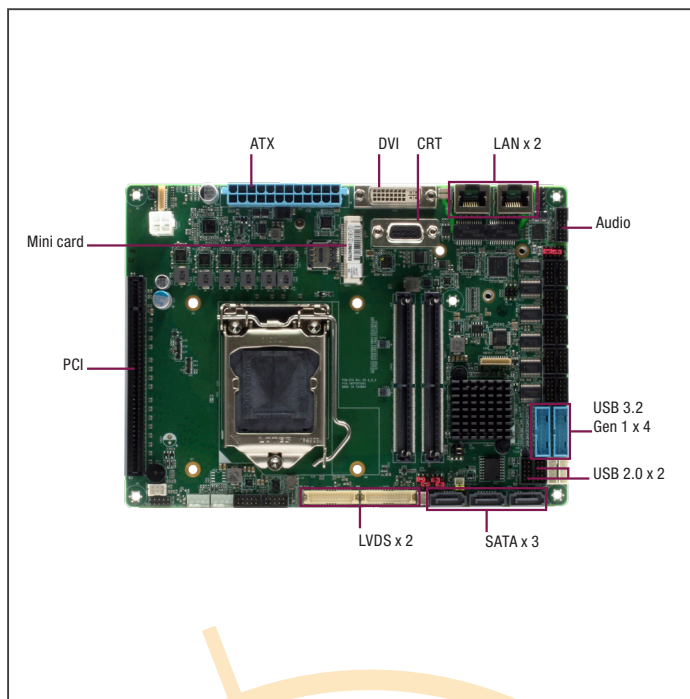


PCM-CFS

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



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	—

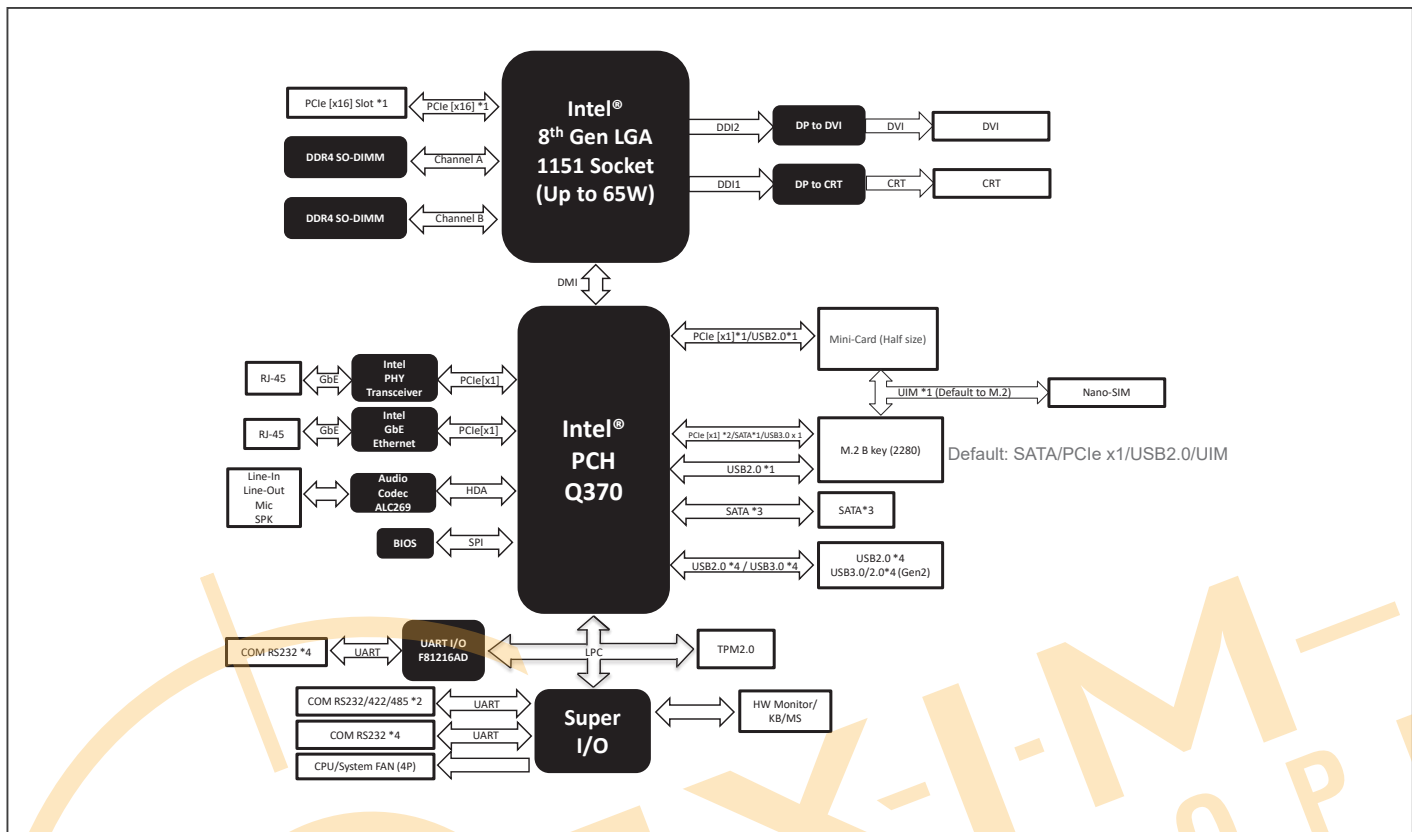
Packing List

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

Optional Accessories

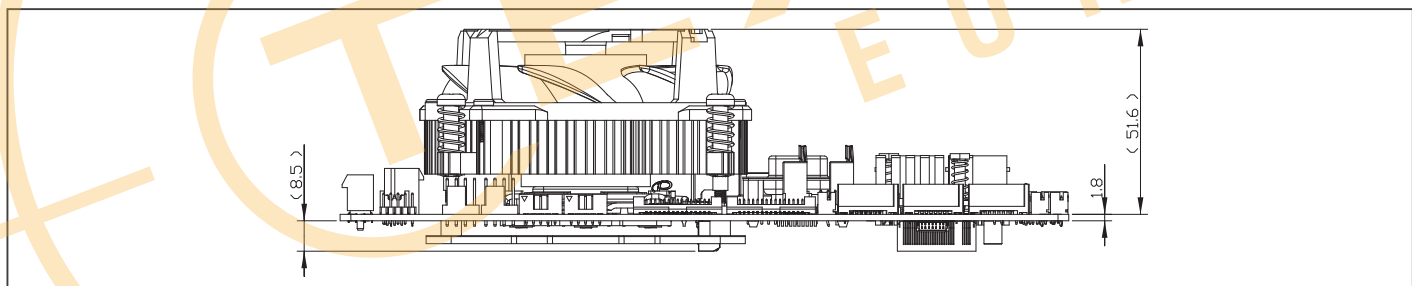
Part Number	Description	QTY
1700190450	USB 3.2 Cable.2 PORTS.w/ bracket 45cm	2
1709100201	USB Cable.2.0mm.W/Bracket 20cm	2
1701100206	COM Cable 20cm	10
1700140510	Audio Cable 51cm	1
1702150155	SATA Power Cable 15cm	1
1709070500	SATA Cable 50cm	3
17592KBS91	CPU Cooler	1

Block Diagram



Dimension

Unit: mm



Disclaimer

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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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