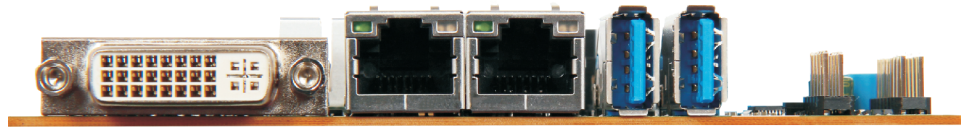
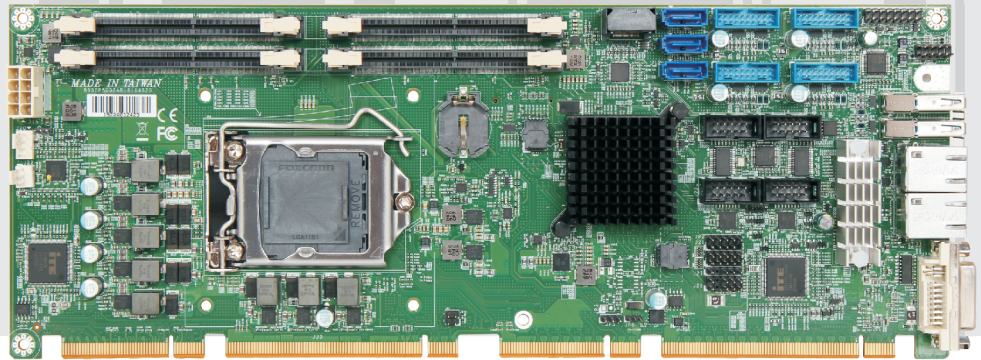


GSPI-Q3700-LLVA

Intel® 8th/9th Gen. Coffee Lake/ Coffee Lake-Refresh PICMG1.3 Industrial Single Board



Features

- Support Intel® Core™ i3/i5/i7/Celeron®/Pentium® processors (LGA 1151)
- Deliver up to 128GB maximum DDR4-2133 SO-DIMM on four sockets
- Support multiple displays by DVI-I(DVI-D+VGA) and HDMI
- Dual Gigabit Ethernet based on PCI express x1, high bandwidth I/O interface
- Rich I/O connections such as four serial ports, GPIO, USB 3.0, and SATAIII ports
- Support on board TPM2.0

Packing List

- PICMG Q370 Long Card
- Installation Notice
- Driver CD
- 1 x DVI-D+VGA Y cable
- 2 x SATA III cable
- 1 x Dual-head COM port cable with bracket

Recommended CPU List

- Intel® Core™ i7-8700
- Intel® Core™ i7-9700E
- Intel® Core™ i5-8500
- Intel® Core™ i5-9500E
- Intel® Core™ i3-8100
- Intel® Core™ i3-9100E
- Intel® Pentium® G5400
- Intel® Celeron® G4900

Specifications

CPU	8 th / 9 th Gen. Intel® Core™/Celeron®/ Pentium® 35~65W processors in LGA 1151 package
Chipset	Intel® Q370 Express chipset
System BIOS	AMI UEFI BIOS
System memory	Up to 128 GB non-ECC DDR4 on four so-DIMM sockets Supports dual channel DDR4 2133 MHz SDRAM
Graphics	Controller: Intel® Gfx Gen 9, HD graphics
Display interface	VGA port: Resolution up to 1920 x 1200 @ 60Hz DVI-I: Resolution up to 1920 x 1200 @ 60Hz (VGA+DVI-D on bracket by DVI-I port) HDMI port: Resolution up to 4096 x 2160 @ 24Hz
Storage Slot	5 x SATA 3.0 (6.0Gb/s) port, dual ports via backplane (RAID 0,1,5,10 Supported) 1 x M.2 Type M 2280 (on bottom side)
Ethernet	Dual 100/1000 Mbps Ethernet port via PCI Express x1 interface Intel WGI219LM and WGI210AT controllers Dual RJ45 connectors on bracket
Expansion Slot	1 x PCIe Gen3 x16 slot OR 2 x PCIe Gen3 x8 slot OR 1 x PCIe Gen3 x8 + 2 x PCIe Gen3 x4 by jumper setting
Interface	4 x Serial port: - 2 x RS-232/422/485 selectable by BIOS - 2 x RS-232 10 x USB Port: - 2 x USB 3.1 on bracket - 8 x USB 3.0 on board header GPIO connector: 8-bit general purpose Input/ Output Audio Interface: Mic-In, Line-In and Line-Out (on-board header)
TPM	On-board TPM 2.0 support (TPM IC: Infineon SLB9665TT2.0)
Dimension	Board size: 338.5mm x 126.39 mm (13.33" x 4.98")
OPERATING TEMPERATURE	0°C to 60°C
STORAGE TEMPERATURE	-20°C to 80°C
OPERATING HUMIDITY	10% to 90% RH (non-condensing)
CERTIFICATION	CE/ FCC Class A
OS SUPPORT	Windows®10 IoT 2019-LTSC 64bit

Ordering Guide

- GSPI-Q3700-LLVA PICMG 1.3 SBC 8th/ 9th Gen. Intel® Core™/Celeron®/ Pentium® processors, Intel® Q370 Chipset

Option Accessory

- Backplane
- DVI-D + VGA Cable
- SATA III Cable
- Dual-head COM port cable with bracket
- USB3.0 cable
- PS/2 keyboard/ mouse cable with bracket