

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

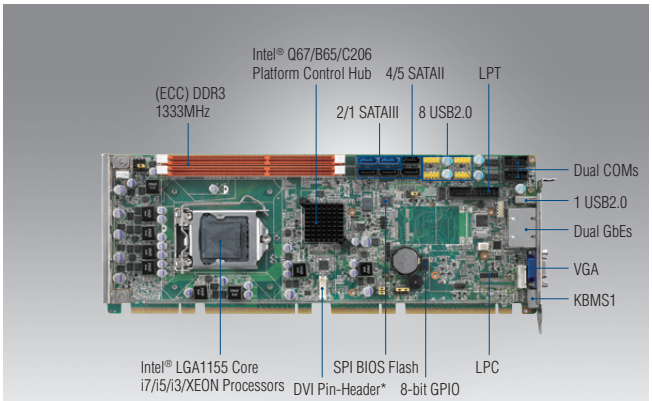
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

PCE-5126

LGA1155 Intel® Corei7/i5/i3 SHB with DDR3/Dual GbE/SATA III



*: DVI pin-header is default on QG2 and WG2, and optional on QVG

Features

- LGA 1155 Intel® Core™ i7/i5/i3/Xeon® processors
- Dual Channel (ECC) DDR3 1066/1333 up to 16 GB
- Supports SATA RAID 0, 1, 5, 10, AMT7.0, TPM 1.2 (optional)
- Out-of-band remote management with IPMI (optional by IPMI module)
- Supports embedded software APIs and utilities

Software APIs: Watchdog, H/W Monitor, GPIO

Utilities: Monitoring

Windows Embedded, Quiet

CE FCC

Specifications

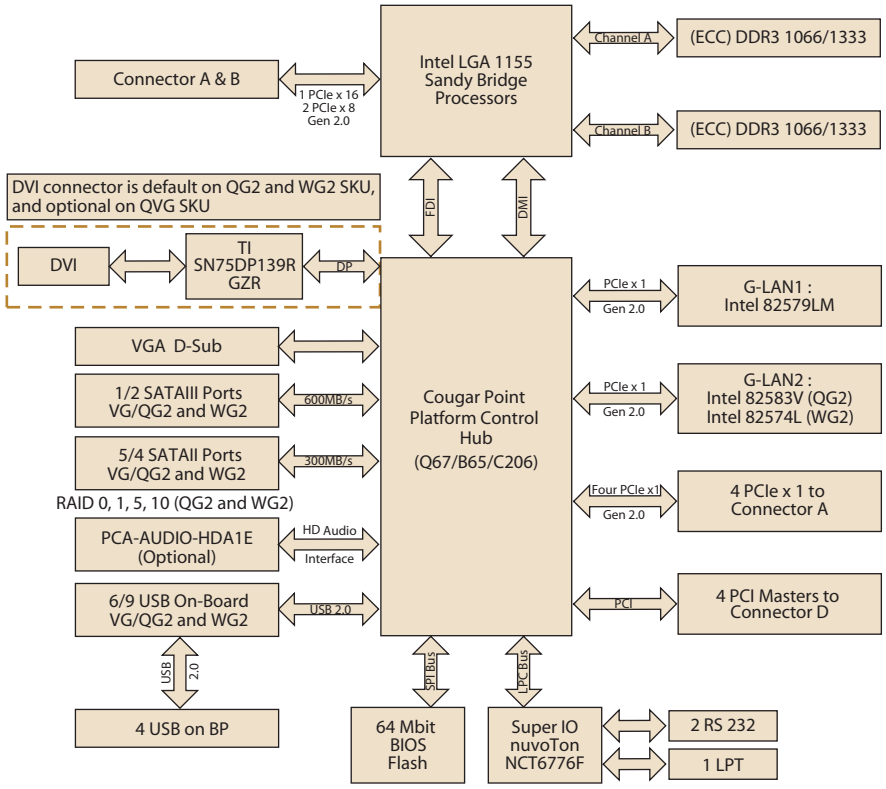
Processor System	CPU	Core i7 2600	Xeon E3 1275	Xeon E3 1225	Core i5 2400	Core i3 2120	Pentium G850	Celeron G540
	Base Frequency	3.4 GHz	3.4 GHz	3.1 GHz	3.1 GHz	3.3 GHz	2.9 GHz	2.5 GHz
	L3 Cache	8 MB	8 MB	6 MB	6 MB	3 MB	3 MB	2 MB
	Support Model	QG2/QVG	WG2	WG2	QG2/QVG	QG2/QVG/ WG2	QG2/QVG	QG2/QVG
	Socket	LGA1155						
	Chipset	QG2: Intel Q67; QVG: Intel B65; WG2: Intel C206						
	BIOS	AMI 64 Mbit SPI Flash						
Bus	PCI-Express	One PCIe x16 or two x8, plus four x1 to backplane (Gen 2.0) (Only WG2 version supports two PCIe x8 to support PCE-7XXX backplanes)						
	PCI	Four 32-bit 33 MHz PCI Masters to Backplane						
Memory	Technology	Dual channel (ECC) DDR3 1066/1333 (ECC is only for WG2 version)						
	Max. Cap.	16 GB (8GB per DIMM)						
	Socket	Two 240-pin DDR3 memory sockets						
Graphics	Onboard	Intel HD Graphics						
	VRAM	Shared system memory is subject to OS						
	Video Output	15 pin VGA D-sub connector x1/onboard DVI pin header x 1 (Default on QG2 and WG2, optional on QVG)						
Ethernet	Interface	10/100/1000 Mbps						
	Controller	LAN1: Intel 82579LM LAN2: Intel 82583V for QG2 version; Intel 82574L for WG2 version						
	Connector	RJ-45 with LED Connector x 2 for QG2, WG2 versions; RJ45 with LED Connector x 1 for QVG versions						
SATA	Max. Transfer Rate	600 MB/s						
	Channel	2 (Only 1 for QVG version)						
	Max. Transfer Rate	300 MB/s						
	Channel	(5 for QVG version)						
	RAID	0, 1, 5, 10 (Only for QG2 and WG2 version)						
I/O Interface	USB 2.0	WG2/QG2-Thirteen USB2.0(Pin-header*8 + USB A type*1 + 4 on backplane) QVG- Ten USB2.0(Pin-header*6 + 4 on backplane)						
	Serial	2 RS-232 with pin Headers						
	Parallel	1 (SPP/EPP/ECP)						
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)						
Watchdog Timer	Output	System reset						
	Interval	Programmable, 1~255 sec/min						
Miscellaneous	Audio	Intel High Definition audio interface (requires an audio extension module, P/N: PCA-AUDIO-HDA1E)						
Power Requirement	Test Equipment	Intel Core i7-2600 processor; DDR3 1333 2G x2						
	Voltage	+12 V	+5 V	+3.3 V	+5 Vsb	-12 V	-5 V	
	Current	6.65 A	1.62 A	1.98 A	0.73 A	0.13 A	-	
Environment		Operating			Non-Operating			
	Temperature	0 ~ 60° C* (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing)			-40 ~ 85° C and 60° C @ 95% RH Non-Condensing			
Physical	Dimensions	338 x 122 mm (13.3" x 4.8")						

* Recommend operating temperature is 50° C for better thermal reliability

All product specifications are subject to change without notice

Last updated : 20-Jun-2012

Block Diagram



Ordering Information

Model Name	Chipset	Memory	Backplane	LAN	Display	iAMT	SATAIII	SW RAID	IPMI Module	USB
PCE-5126QG2-00A1E	Q67	Non-ECC	PCE-5XXX	2 GbE	VGA+DVI**	Yes	2	Yes	None	13
PCE-5126QVG-00A1E	B65	Non-ECC	PCE-5XXX	1 GbE	VGA	None	1	None	None	10
PCE-5126WG2-00A1E	C206	ECC/Non-ECC	PCE-5XXX/7XXX*	2 GbE	VGA+DVI**	Yes	2	Yes	Optional	13

*: WG2 version supports all Advantech PCE-5XXX/7XXX backplanes except PCE-7B10-04A1E.

**: For DVI display, optional DVI cable (1700008822) is required

Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module
PCA-TPM-00A1E	Trust platform module compliant TCG 1.2
1960047831N001	PCE-5126 Proprietary CPU Cooler (2U)
1700008822	DVI Cable

Note: Purchasing PCE-5126's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-5126.

Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260305	COM + printer ports cable kit	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700008461	4-port USB cable kit	x 1
9689000068	Jumper package	x 1
2190000902	Warranty Card	x 1
2002512610	Startup manual	x 1
2062512600	Utility CD	x 1

Bracket View



PCE-5126QG2-00A1E
PCE-5126WG2-00A1E



PCE-5126QVG-00A1E

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP