

POC-519B-HM55

Fanless

Super High-Performance All-in-one Medical Panel PC

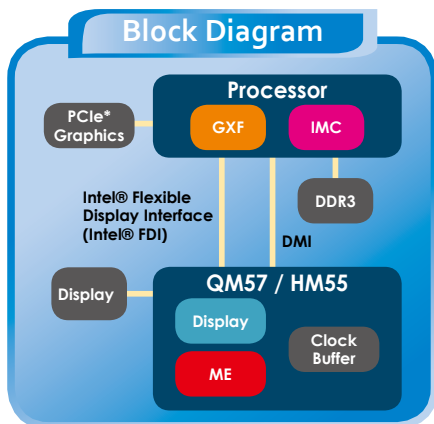
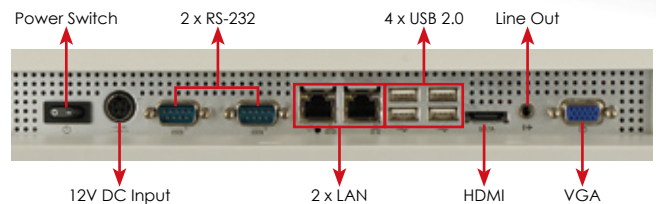
- 19" all-in-one fanless panel PC
- Intel® HM55 chipset and Core i CPU support
- Seamless flat front panel for easy clean advantage
- Anti-bacteria housing for friendly disinfection
- Built-in smart card reader for encrypt electronic data exchange
- Embedded RFID reader for auto-ID integration
- IP 32 compliant for complete system



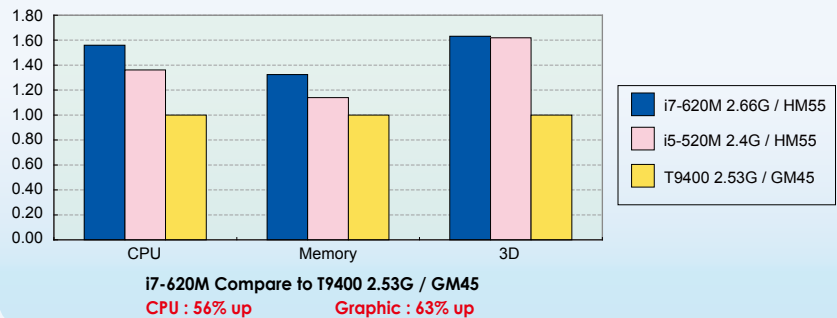
Coming Soon

Powerful Processing Capability

The POC-5/B series are supported by Intel® Core i5 and i7 CPU and HM55 chipset. The super high-performance features POC-519B a strong terminal for enabling complex data processing.



Intel® Core i7 & i5 Performance comparison Chart



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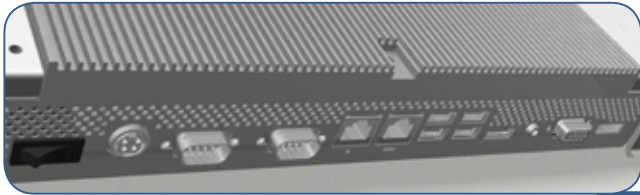
Feature	GM45	Core i7 & i5 Processor
CPU Package	SV: Socket P PGA & BGA SV/LV/ULV: SFF BGA (HDI)	SV: Socket G (rPGA989)
FSB / Intel® QuickPath Interconnect (Intel® QPI)	FSB 800MT/s~1066MT/s:Half-Duplex	Intel® QPI 4.8GT/s~6.4GT/s:Full-Duplex
TDP	17.5W~47W (CPU + GM45/GS45)	15~35W
Supported Memory	DDR2(667/800MHz), DDR3(800/1066MHz), Non-ECC Only	DDR3(800/1066MHz) Only, rPGA989: Non-ECC Only
PCI-Express	PCI-Express Base Specification 1.1 Gen1 (2.5GT/s) frequency	PCI-Express Base Specification 2.0 Gen1 (2.5GT/s) frequency
PCI-Express Width Support	x1/x2/x4/x8/x16 widths SDVO/HDMI/DP + PCI Express: x1	x1/x2/x4/x8/x16 widths Bifurcation: 1 x16 → 2 x 8s eDP + PCI Express: x1
Graphics Cores	Gen 5.5 with 10 Execution Units, DirectX10, Open GL 2.0	Gen 5.7 with 12 Execution Units, DirectX10, Open GL 2.1
Feature	ICH9M	HM55 / QM57
PCI-Express	6 ports PCI Express 1.1	8 ports PCI Express 2.0 - 2.5Gb/s Transfer rate only 6 ports
PCI	PCI Rev 2.3 @ 33MHz up to 4 Bus Masters	PCI Rev 2.3 @ 33MHz up to 4 Bus Masters
TDP	2.1~2.4W	3.2~3.5W
Intel Active Management Technology (Intel® AMT)	4.0	6.0 (QM57 only)
USB 2.0 Ports	12 ports	12 ports

Mobile Intel® Core™ i7 CPU support list

CPU Socket	Process	Brand	CPU Code	CPU No.	Clock speed	L2 cache	TDP	Chipset
PGA Socket G	32nm	Core™ i7	Arrandale	i7-620M	2.66G	4M	35W	HM55 / QM57
		Core™ i5		i5-520M	2.4G	4M	35W	
		Celeron®		P4500	1.86G	2M	35W	

■ Anti-Bacteria Housing

The POC-5/B series is equipped with anti-bacteria housing for friendly infection control.



■ Front USB connection

The extra front USB ports provide the maximum flexibility to connect to external peripherals such as barcode reader, thermal printer and more.

■ IP 32 Compliant for Complete System

The POC-5/B series are designed with IP 32 dustproof and waterproof grade of complete system, allowing reliable use in critical environments like the operating room.

■ Seamless Flat Panel Design

The POC-5/B series featuring the seamless flat panel provides the most friendly design for hospital's daily disinfection requirements.



■ Reliable Touch Screen Design

The POC-5/B series are equipped with reliable 5-wire resistive type touch screen. The touch screen makes medical order entry much easier when used as an information terminal.

■ Integrated Video Camera

The integrated 1.3M pixel webcam enables POC-5/B series to perform as the communication terminal through the internet.



■ Built-in Smart Card Reader

The built-in smart card reader fulfills the emerging requirements on encrypt electronic data exchange include ID control, patient records retrieval, electronic payment collection, and more.

■ Optical Drive for Image burning Advantage

The POC-5/B series has a optical drive at the side of the panel, allowing instant image burning purpose.



■ Value-Added Network Connection Advantage

The POC-5/B series systems each have two Gigabit Ethernet LAN connectors and wireless 802.11 b/g/n network connections, enabling better link quality through accurate network selection. The powerful 802.11 b/g/n/ Wireless connection increases redundancy and ensures reliable network for real-time medical record processing.



■ Built-In RFID Reader

The built-in RFID reader facilitates the growing demands on auto-ID implementation including personnel access control, patient ID recognition, medication material management, and more.

