

ADVANTECH

Enabling an Intelligent Planet

DMS-SA21

High-Performance Server Grade System



Medical Imaging Systems

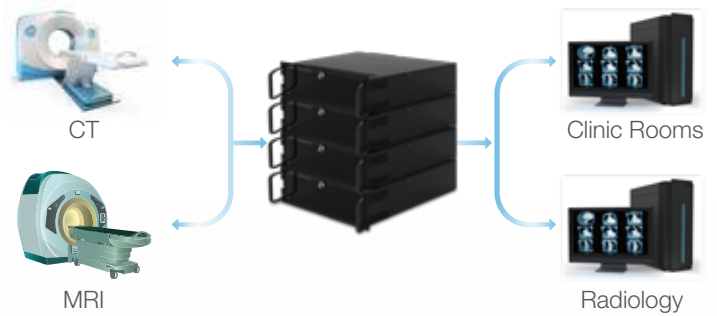


Medical Laboratory Analyzers



Data Centers

For excellent storage, management, retrieval, and sharing of medical images, a reliable server is more than crucial. The DMS-SA21 high performance server features advanced technology and outstanding extendibility; it has gone through rigorous validations to ensure uninterrupted function. Moreover, DMS-SA21 is also the best fit for huge computing capability in medical applications like Medical Laboratory Analyzers.



Key Features



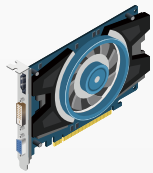
Extremely High Performance

- Dual Intel® Xeon® E5-2600 v3/v4 processor
- 16 x DDR4 ECC RDIMM, up to 512GB memory capacity



Upgradable Storage Capacity

- Up to 8 x HDD
- Supports both 2.5" & 3.5"
- Supports SATA/SAS HDD



Flexible Expansion Slot

- 4x PCIe x16 slot, supports 4 double-width GPUs
- Additional dual PCIe x8 slot
- Auto-switchable PCIe lanes to fully utilize expansion slots



Easy Maintenance

- Toolless Design
- Front accessible, hot-swappable HDD
- Hot-swappable system fan



Service & Longevity Support

- Design customization and development
- Product revision control
- 7+ years life cycle

Specifications

Processor System	Socket	Dual Intel LGA 2011-R3
	CPU Type	Dual Intel Xeon E5-2600(v3/v4) processor (up to 120W TDP)
	Chipset	Intel C612 chipset
Memory	Total Slots	16 (Quad Channel)
	Capacity	Up to 512 GB ECC RDIMM
	Memory Type	288-Pin DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM
Expansion Slots	Memory Size	1 GB, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB
	Total PCIe Slots	9
	PCIe x16	2 (Gen3 x16 link)
	PCIe x16 (x16 link switchable to x8 link)	4 (2 x Gen3 x16 link switchable to 4 x Gen3 x8 link)
Storage	PCIe x8	2 (Gen3 x8 link)
	PCIe x4	1 (Gen2 x4 link)
	SATA Controller	Intel C612: 10 SATA3, 6 Gb/s ports Intel Matrix Storage (for Windows only)/SATA0-SATA5 and sSATA0-sSATA3 Supports software RAID 0, 1, 10 & 5)
Drive Bay	3.5" / 2.5" Drive Bay	8, Front accessible
Networking	Interface	Dual 10/100/1000 Mbps Gigabit Ethernet
	Controller	2 x Intel I210AT
Graphic	VGA	Aspeed AST2400/1400 64 MB

Front I/O Interface	External USB	2 x USB 3.0
	LED Indicator	System : Power status, HDD activity, LAN1, LAN2 HDD: individual power status, individual HDD activity
Front Panel	Control	Power Switch and System Rest Button
	External USB	2 x USB 3.0, 2 x USB 2.0
	External Serial Port	1
Rear IO Interface	VGA Port	1
	RJ-45	3 (1 port dedicated for IPMI function)
	PS/2 KB/Mouse	1
Watch Dog Timer	Output	Interrupt, system reset
	Interval	Programmable, 1- 255 sec
Power Supply	Output PWR Rating	(2+2) 2600W 80+ Platinum redundant power supply
	Input Voltage	AC 110~240V
Cooling	Chassis fan	3 (120x38mm) internal + 1 (120x38mm) External (External cooling is optional)
Management Solution	Out of Band Remote Management	Yes
	CPU Temperature	Yes
Monitoring	Monitoring for System	Yes (PMBus1.2 or higher support)
	Temperature	Operating: 0 ~30°C, Non-operating:-40 ~ 70°C
Environment	Humidity	Operating: 10% ~ 95% @40° C, Non-operating: 10% ~ 95% @60° C, non-condensing
	Vibration	Operating: 0.3Grms, Non-operating: 2G (5~ 500Hz)
	Shock	10G (with 11ms duration, half sine wave)
Physical Characteristics	Dimensions	671.1 (D) x 430 (W) x 177 (H) mm 26.4 (D) x 16.93(W) x 6.97 (H) inches

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