

Partner Presentation

DFI AI Solution Based On Ice Lake-SP

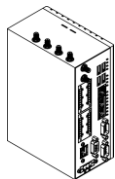
Jarry Chang, DFI

DFI

intel.
partner

Titanium

Portfolio of DFI On Intel Latest Platforms



ED700-EHL

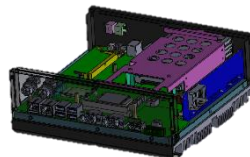


EHL171 / EHL173

Intel® Atom® x6000
Intel® Pentium® N/J 6000
Intel® Celeron® N/J 6000



EC70A-TGU



EC500-TGH



TGU171 / TGU173

11TH Generation Intel®
Core™ Processor Family



ICX610-C621A

3rd Generation Intel®
Xeon® Scalable Processor
(1S/2S, Whitley Platform)



ICX610-C621A

3rd Generation Intel® Xeon® Scalable Processor Based Industrial Server Motherboard

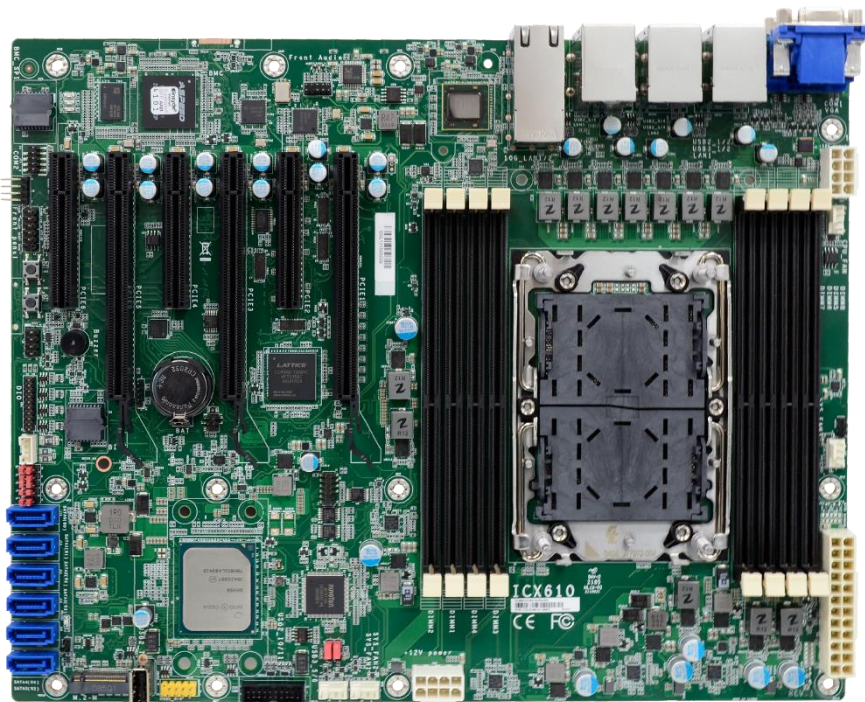
3rd Generation Intel® Xeon® Scalable Processor

8 DDR4 Single-Channel up to 512GB

2 PCIe x16, 4 PCIe x8 (Gen4)

1 M.2, 6 SATA3

2 10GbE, 2 GbE, 1 IPMI



Application Market



Medical Imaging System

- Medical Equip.
- Clinical Workstation
- MRI, X-Rays, CT

Industrial Controls & Automation

- Machine Vision/AOI
- Surveillance
- Machine Learning/ Deep Learning

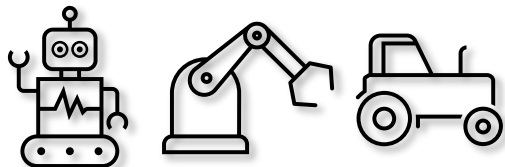
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xeon®

Seamless AIoT

Cloud Service
Decentralized Services
Power Grid

RemoGuard (Microsoft Azure Sphere)



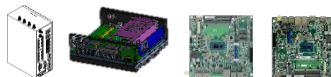
Micro Edge
Cloud



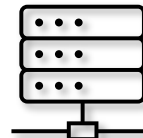
Container



IoT Gateway



Container



Edge Server



Along with update service, RemoGuard provides risk-free update, partition-level recovery, and active prediction of product lifespan by out-of-band (OOB) management.

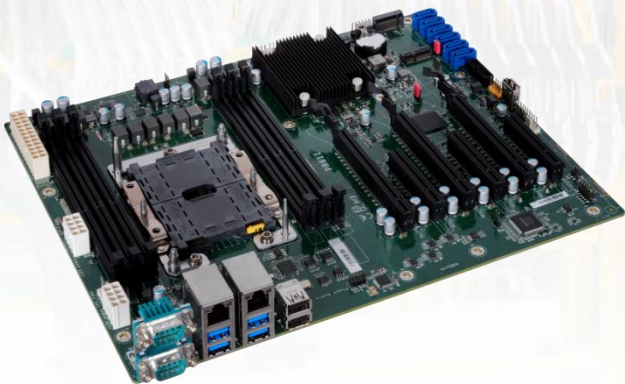
DFI Across Edge, IoT Gateway, Edge Server

Edge Device		IoT Gateway		Edge Server
WL051	EC70A-KU	CS170	EC533-KD-AI	PR810-C622
M8M051	EC700-AL	CS181	EC500-CS	SO630
EC70A-TGU	ECX700-AL	CMS101/103	EC5XX-KH	ICX610-C621A
	ES220-CS	WL171/173	EC510/511-CS	CS620-H310
	ST102-CS	TGU171/173	EC543-CS	KD630-H110
SOM	DSP	EHL171/173	EC500-TGH	CMS630-W480E/Q470E
SDM	Medical	AL253	EC700-EHL	CMS631-Q470E/H420E
	In-Vehicle	GH551	EHL171 / 173	CMS310-W480E/Q470E
	Railway	CS551	TGU171 / 173	CMS330-Q470E/H420E
	Gaming	WL551		
	Touch Panel			

High-End AOI Equipment

DFI spec in AI Factory for AOI application :

- High end **glass bottle quality examination** in France Factory by DFI PR611.
- **Auto inspection of panel quality** in Taiwan panel manufacture by DFI PR611 & PR610.



The Problems Solved By DFI Solution

AOI applications require very real-time inference and judgment, so the lowest response time is required. Therefore, the excellent single-thread performance and extremely low memory latency of Intel Xeon-SP become very important, especially when compared to AMD EPYC.



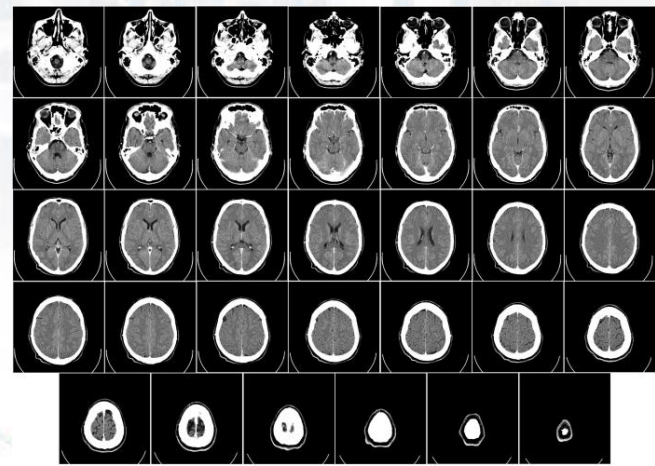
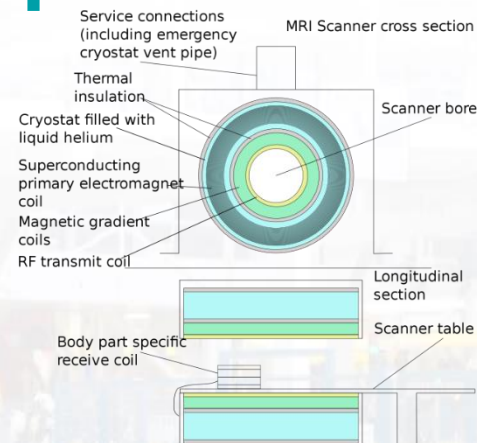
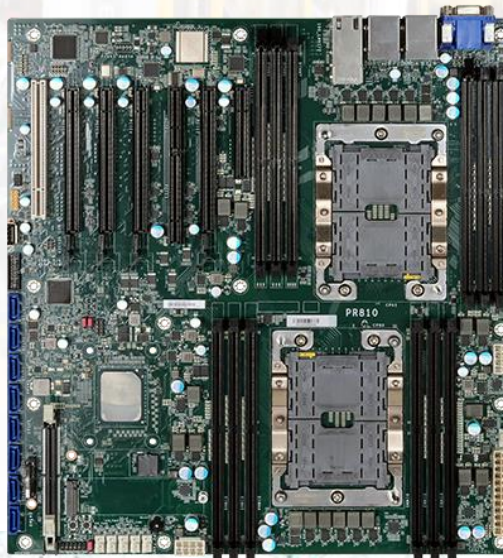
High-End Medical Imaging Equipment

DFI successfully spec in **Japan leading medical company**, assisting doctor's detection and make precisely judgement of pathogen.

DFI PR810 & PR611 are mass applied in **CT, MRI and X-Ray machine** by JP hospital. Moreover, DFI alliance with Germany customer ACL, for promoting medical industry deeply.

The Problems Solved By DFI Solution

Medical image recognition generates a huge amount of data, so a memory with both high bandwidth and high capacity is required, and even Optane is needed to expand the effective capacity. Only Xeon-SP has a complete solution.



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The background features a complex, abstract pattern of glowing, overlapping lines in shades of blue, purple, and orange. These lines create a sense of depth and movement, resembling a digital or fiber-optic network. A solid teal rectangular box is positioned on the left side of the image, containing the text.

Thank you
for watching!