Advantech Intelligent Micro Computer

Compact, Lightning-fast Solution for Machine Automation

- Compact Size
- High Performance
- System Security
- Remote Manageability

ADVANTECH

Enabling an Intelligent Planet

About Advantech

Advantech - Enabling an Intelligent Planet

Founded in 1983, Advantech is a leader in providing trusted innovative embedded and automation products and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, and global logistics support; all backed by industry-leading front and back office e-business solutions. We cooperate closely with our partners to help provide complete solutions for a wide array of applications across a diverse range of industries. Advantech has always been an innovator in the development and manufacture of high-quality, high-performance computing platforms, and our mission is to empower these innovations by offering trustworthy products and services that enable an intelligent planet. With Advantech, there is no limit to the applications and innovations our products make possible.
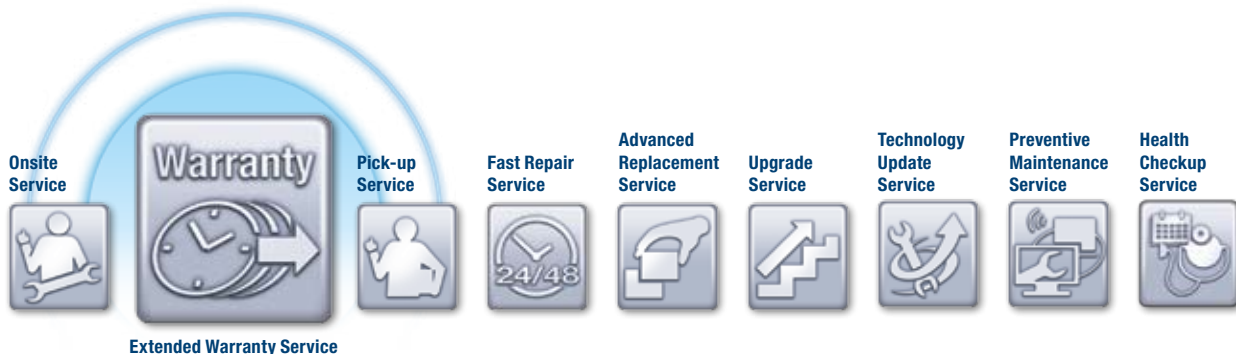
Global Logistics Services

With strong integrated ERP and SAP supply chain solutions, our worldwide logistics network offers a wide range of options for different delivery models including local and global solutions that meet your unique needs and budget requirements. Advantech's Logistics Service gives you the flexibility to simplify your logistical networks, bring your products to market on time, and enjoy a timely return on your investment.
• Optimized and flexible shipping solutions
• Integrated ERP and SAP supply chain solution with global distribution network
• Centralized plants with local delivery

Global Customer Support Services

Our global presence provides localized reliable customer support services. We can create an optimized maintenance and support plan, leveraging the full power of our service portfolio to help reduce costs and proactively mitigate business risks to best meet your needs. In addition to our complete technical and repair support, we provide a variety of customizable after-sales services, including extended warranty, advance replacement, upgrade, fast repair, etc. With our knowledgeable local support groups, we enable a consistent support experience around the world and help keep your investment at peak performance and within your budget.
• 24/7 technical support: hotline AE & online chat support
• Global deployment with local full-line repair capability
• Easy-to-use web-based repair and tracking system (eRMA)
• Various value-added, after-sales service packages

Non-Stop technical support

Hotline Call
Online Chat
Email
Intelligent Support Portal
Web-based Logistics and RMA Info System

Onsite Service

Warranty

Extended Warranty Service

Pick-up Service

Fast Repair Service

Advanced Replacement Service

Upgrade Service

Technology Update Service

Preventive Maintenance Service

Health Checkup Service

Advantech Intelligent Micro Computer

Key Features

The AiMC series is targeted for machine automation applications. Each self-contained micro computer features compact size, high performance, strong system security and remote management. With the latest, 3rd generation Intel® Core™ processors, they deliver more computing and graphics performance. Each micro computer comes with Advantech's SUSIAccess software for intelligent monitoring and control. Each intelligent micro computer offers integrators a no-nonsense, turnkey solution that has been fully verified and certified.

Compact Size

Features

- Volume reduced, less than 50% of standard 4U system
- Occupies less area than an A4 sheet of paper

Benefits

- Small, space saving footprint
- Easier cable routing

High Performance

Features

- Latest, 3rd gen Intel® Core™ i CPU
- High bandwidth PCI Express

Benefits

- Latest, most powerful CPU performance
- Can drive multi-channel megapixel cameras

AiMC

System Security

Features

- Recovery powered by Acronis™
- Protection by McAfee™

Benefits

- Live system backup without reboot
- Whitelist protection, plus easy application control and blocking of unauthorized activity
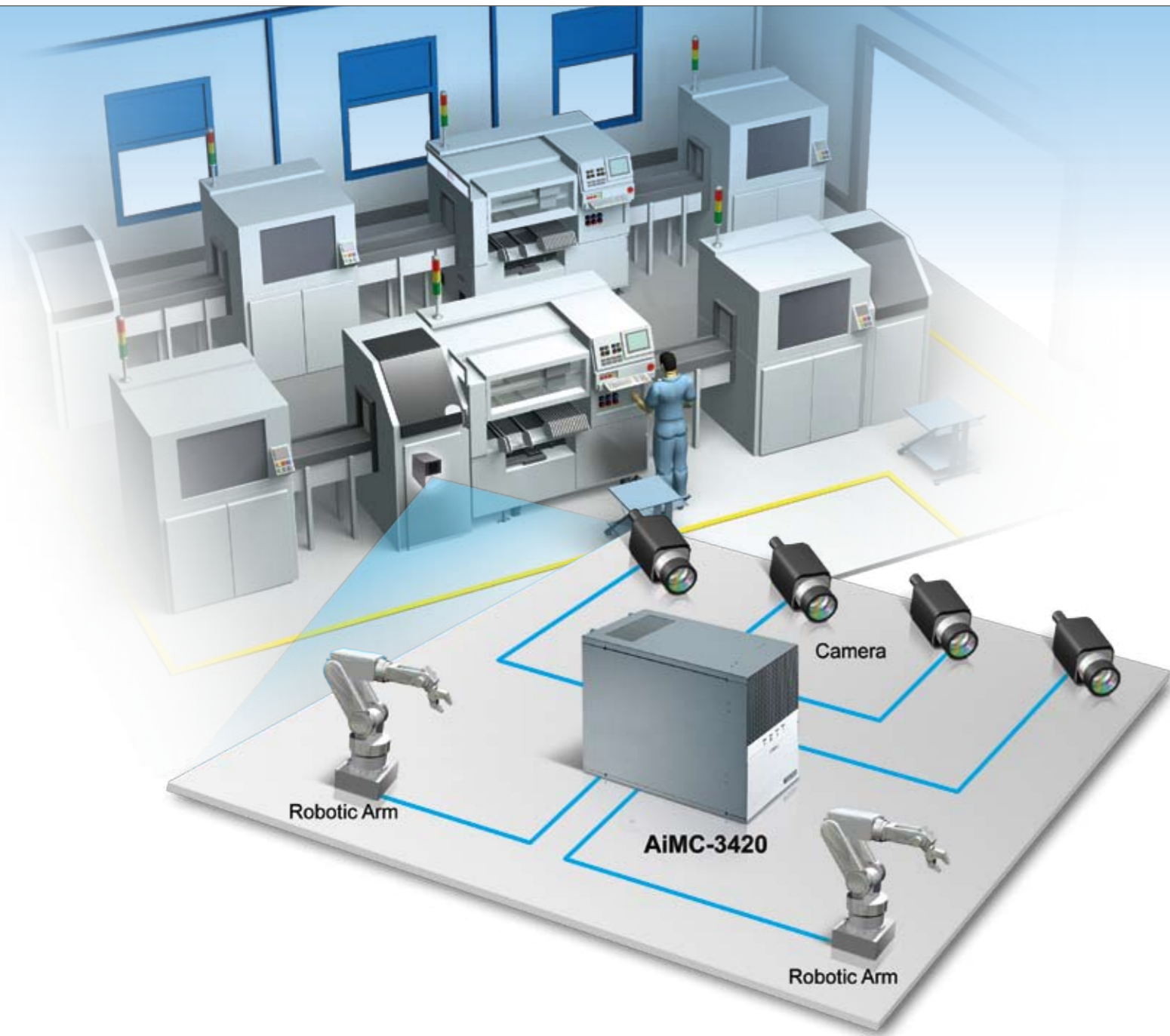
Remote Management

Features

- Hardware status monitoring
- Remote control

Benefits

- Remote system diagnostics and alerts
- Remote KVM & Power On/Off give quick access to remote devices, reduce downtime for system maintenance

Apply AiMC in PCBA Manufacturing

Camera
Robotic Arm
AiMC-3420
Robotic Arm

Camera
Monitor
AiMC-3200

Monitor
AiMC-2100
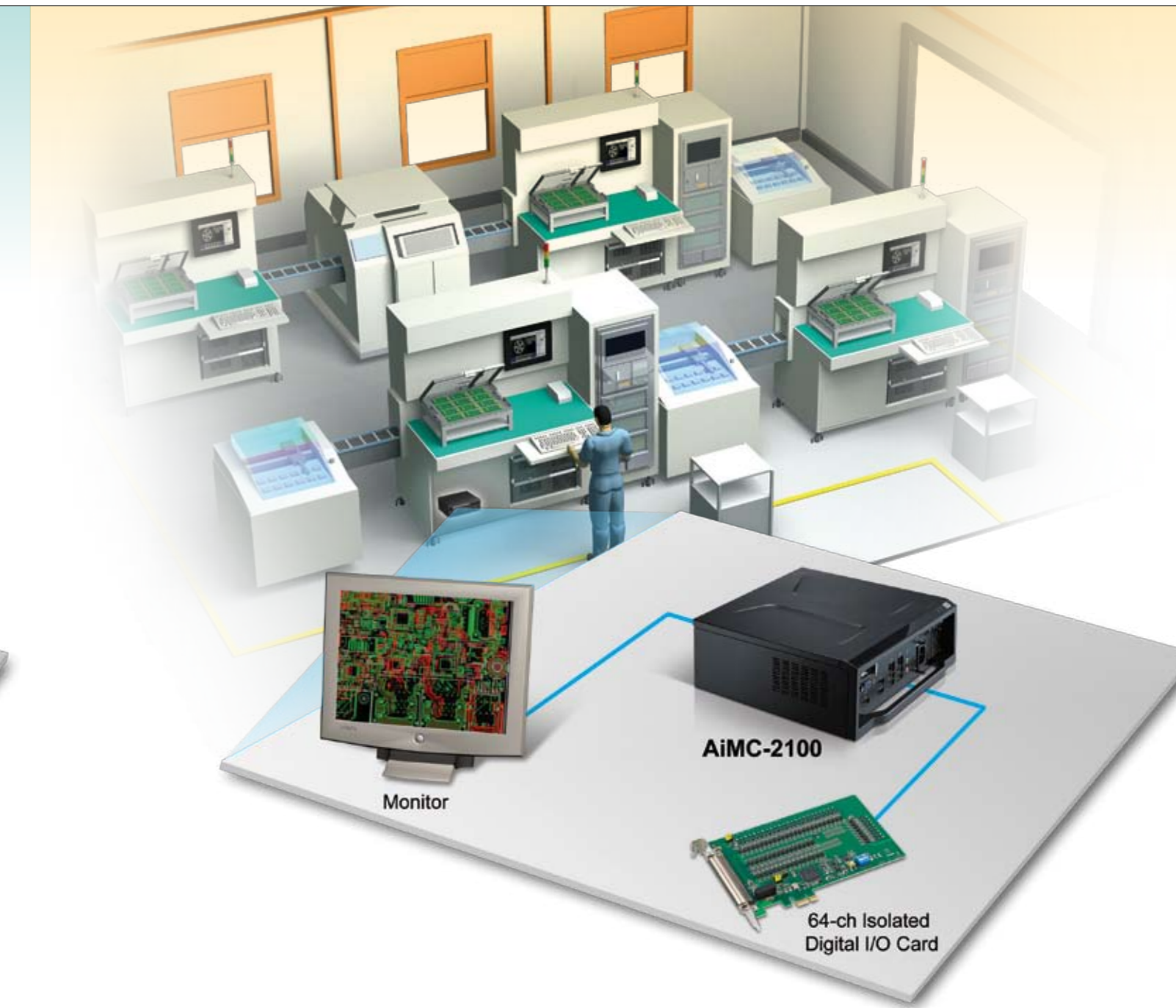**64-ch Isolated Digital I/O Card**

Surface-Mount Technology

AiMC-3420 is an agile and efficient industrial computer supporting vision inspection and motion control. With high performance CPU power, it can precisely control a robotic arm, do high resolution image analysis, execute solder paste printing, SMT pick-and-place, and reflow oven control for surface-mount manufacturing.

Automated Optical Inspection

AiMC-3200 is a compact size system that can be configured with a PoE card and camera to implement AOI. Its high performance supports up to 4 channels each with a 5-megapixel PoE camera. Powered by Intel Core i processor, effectively detects whether components have been successfully soldered and whether component placement is skewed or straight.

Automatic Test Equipment

AiMC-2100 serves as automatic test equipment for quality assurance. ATE performs measurements and evaluates test results quickly and accurately. With one reserved expansion slot, it is a flexible platform that can adopt any add-on-card to accommodate different test scenarios.

Product Offerings

	AIMC-2100-00A1E	AIMC-3200-00A1E	AIMC-3420-00A1E
CPU	PGA 988 i7/i5/i3 mobile CPU	LGA 1155 i7/i5/i3	LGA 1155 i7/i5/i3
Memory	DDR3 Max 8GB	DDR3 Max 8GB	DDR3 Max 8GB
PCH	QM77	H61	H61
Storage	SATA Bays: Two 2.5" HDD	SATA Bays: Two 2.5" HDD	SATA Bays: One 3.5" HDD
Expansion Slot	One PCI-E x16	One PCI-E x16 One PCI-E x4	One PCI-E x16 Two PCI-E x1
I/O Interface			
Dimension			
Power Supply	250Watt	250Watt 80Plus	300Watt 80Plus

Compact Size High Performance System Security Remote Management

CE FC c(UL)us LISTED

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