Revolutionary Industrial PC for IoT Era
With innovative i-Modules For flexible expansion

ADVANTECH

Enabling an Intelligent Planet

Revolutionary Industrial PCs for the IoT Era

With Innovative i-Modules for Flexible Expansion

Comprehensive Expansion Options for All Machine Automation Requirements

	MIC-75M13	MIC-75M40	MIC-75M20	MIC-75M20-01	MIC-75M11	MIC-75S20
PCIe x16	1	-	1	-	1	1
PCIe x8	-	1	-	2	-	-
PCIe x4	-	3	1	-	-	1
PCIe x1	-	-	-	-	-	-
PCI	3	-	-	-	1	-
mini PCIe	-	-	-	-	-	-
Storage	2* 2.5' HDD bay (1xSATA CONN)	2* 2.5' HDD bay (1xSATA CONN)	-	-	-	2* 2.5' Hot-Swappable HDD tray
System fan	1x8CM (Optional)	1x8CM (Optional)	2x4CM (Optional)	2x4CM (Optional)	2x4CM (Optional)	1x8CM (Optional)
Dimension (WxHxD)	90x192 x230 mm	90x192x230 mm	45x192x230 mm	45x192 x230 mm	45x192 x230 mm	90x192x230 mm
Weight	1.1kg	1.1kg	0.8kg	0.8kg	0.8kg	1.3kg

i-Module

Next-Generation Industrial PCs with Innovative i-Modules for Flexible Expansion

The MIC-7000 Series comprises compact modularized systems that support the innovative i-Module for flexible expansion to satisfy diverse application requirements. The MIC-7000 Series can be widely employed for factory and machine automation. The fanless and ruggedized design ensures that these systems can withstand the demands of harsh industrial environments. Furthermore, comprehensive modularized options and the ease of configuration effectively reduce lead times for Advantech's configure-to-order service (CTOS).
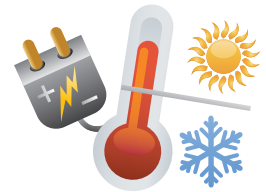
Modularized
• i-Module support for flexible expansion
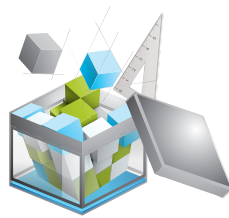• CTOS service for minimizing lead times

Ruggedized
• Compact and fanless design
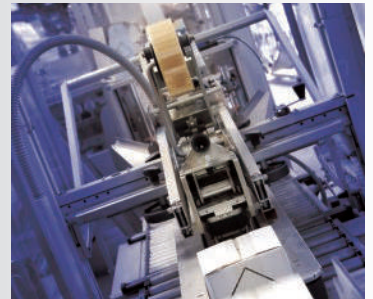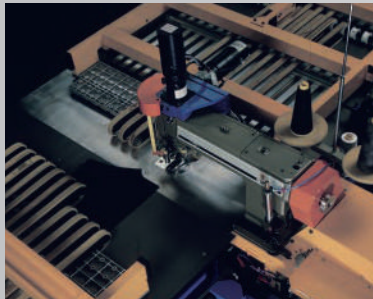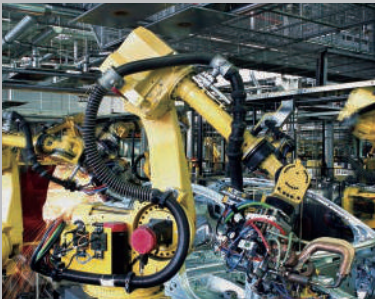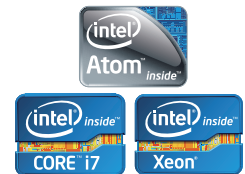• Supports wide DC input range and operating temperature

Customized
• 20 standard PCIe lanes for I/O customization and expansion
• Rapid development cycles and simple validation process

Optimized
• Available with various processors to satisfy specific application requirements

Next-Generation Industrial PC

MIC-7500

Compact Fanless System with 6th Generation Intel® Core™ i Processor

- Supports i-Modules
- Equipped with VGA and DVI interfaces
- Features isolation COM and 32-bit GPIO modules
- Powered by 6th Generation Intel® Core™ i7/i5/i3 BGA-type CPU with QM170 PCH
- 2 x RS-232/422/485 serial ports and 4 x RS232 (expansion via cable) ports

Supports Expansion Window
Secondary DVI Cable or Expansion Module
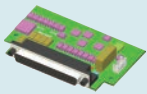
| 32-bit GPIO | RS-422/485 Isolation | TPM | Secondary DVI |

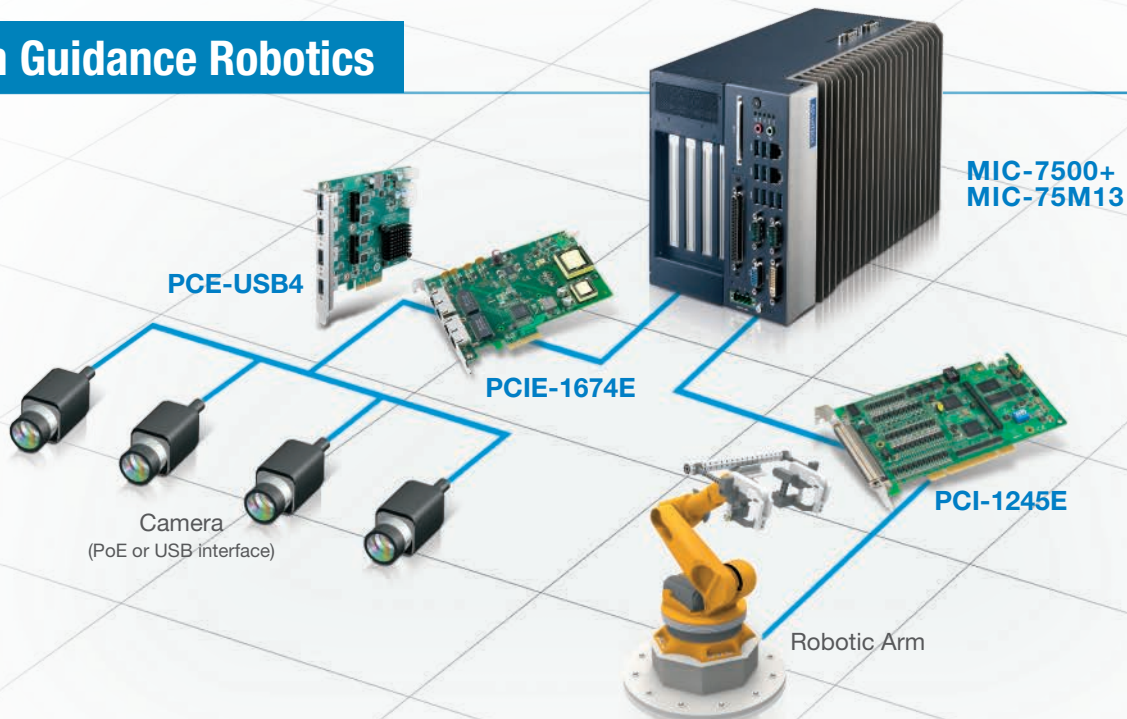### Supports Advantech iDoor Technology
Mini PCIe Expansion Kit

i-Door Module (MOS series)　　i-Door Module (PCM series)

Vision Guidance Robotics

MIC-7500+
MIC-75M13

PCE-USB4

PCIE-1674E

PCI-1245E

Camera
(PoE or USB interface)

Robotic Arm

PCIE-1674E

4-Port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant PCI Express Communication Card with Ethernet Ports

PCE-USB4

PCI Express x4, 4-Port USB 3.0 Expansion Card

PCI-1245

DSP-Based, 4-Axis Stepping/Servo Motor Control Universal PCI Card

Vehicle Braking Test System

TEXOL Dynagator
Analyses disc quality through
frequency domain conversion

PCIE-1816

DAQNavi

Advantech's next-generation
data acquisition software
development tool

**MIC-7500 +
MIC-75M20**

PCIE-1802
Dynamic Signal Acquisition
PCI Express Card

Accelerometer

Hammer

Disc

The vibrations generated by the hammer hitting the disc are measured using an
accelerometer. This data is then transmitted to PCIE-1802 for analysis.

PCIE-1802

8-Channel, 24-Bit, 216 kS/s
Dynamic Signal Acquisition
PCI Express Card

PCIE-1816

1 MS/s, 16-Bit, 6-Channel
PCI Express Multifunction
DAQ Card