

2010 Advantech Device and Computing Star Product Guide

- ✓ Industrial HMI and Panel PCs
- ✓ Industrial Communication
- ✓ Industrial Computers
- ✓ Embedded IPCs
- ✓ Industrial Mobile Computers
- ✓ Programmable Automation Controllers
- ✓ Embedded Automation Computers
- ✓ Data Acquisition & Control
- ✓ Remote I/O Modules



Trusted ePlatform Services

ADVANTECH

www.advantech.com

Open eAutomation, Boundless Integration

Star Product Highlights



Embedded IPCs

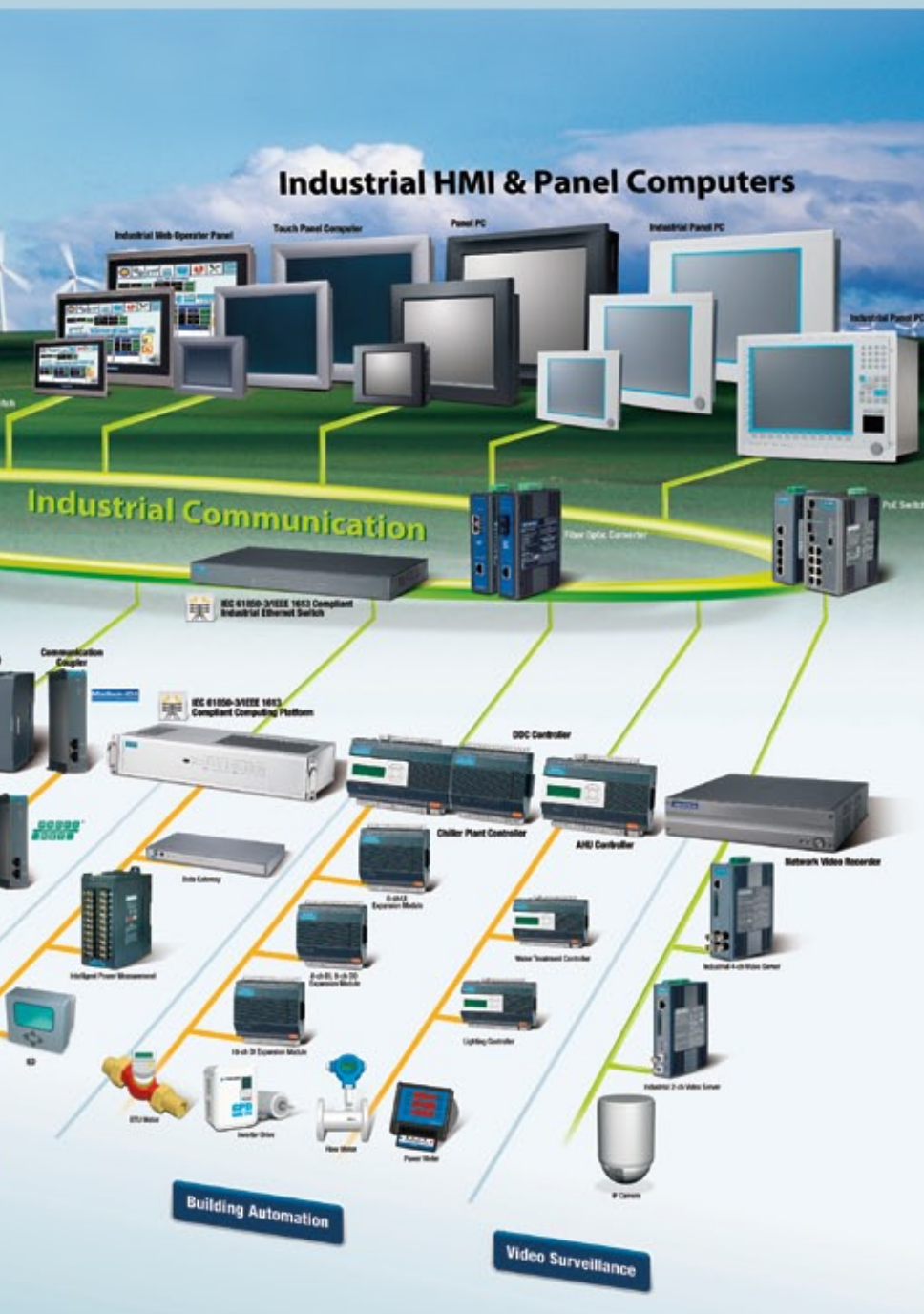
- Ultra-compact & Feature Focused Embedded IPCs
- Slim Embedded IPCs
- Compact Embedded IPCs
- PCIe Expansive Compact Box IPCs

Industrial Computers

- Compact Mini-ITX Chassis & Systems
- Rackmount Chassis
- Desktop/Wallmount Chassis
- Full-size Slot SBCs
- Half-size Slot SBCs
- ATX Motherboards

Industrial Mobile Computers

- Portable Computers
- Mobile Data Terminals
- Vehicle Mounted Computers
- Mobile Digital Video Computers



Industrial HMI, Displays and Panel Computers

- Industrial Operator Panels
- Fanless Industrial Panel Computers
- High-performance Industrial Panel Computers
- Industrial Monitor and Display Solutions

Industrial Communication & Network Video Solutions

- Wireless Access Points/Client Bridges
- Industrial Ethernet Switches
- Industrial PoE Switches
- Serial Device Servers
- Modbus Gateways
- Serial Communication Cards
- Media Converters
- Network Video Solutions

Application Specialized Solutions

- Automation Platforms with Special Industrial Certifications
- Intelligent eHome Platforms
- Self-service & Interactive Terminals
- Digital Signage Platforms
- Building Automation Systems

Remote I/O Modules

- Smart Ethernet I/O Modules
- Real-time Ethernet I/O Modules
- Robust RS-485 I/O Modules

Embedded Automation Computers

- DIN-rail PCs
- Compact Automation Computers
- Wallmount Automation Computers
- Rackmount Automation Computers

Programmable Automation Controllers

- Controllers
- CANOpen Controllers
- Communication Modules
- Motion Control Modules
- I/O Modules

Data Acquisition & Control

- USB Data Acquisition Modules
- PCI & PCIe Data Acquisition Boards
- PCI-104 Data Acquisition Modules

Industrial HMI, Displays and Panel Computers

Leading the Evolution of Industrial HMI and Panel PCs

Advantech's HMI and Panel PCs are scalable and rugged platforms that offer advanced functionality over traditional HMI. They provide high performance computing, standard I/O interfaces, advanced communications and optional ease-of-use software, all with fanless designs and various installation options. Additionally, Advantech also offers powerful Windows XP/CE and Linux-based HMI solutions to easily migrate applications up or down as scope changes.



Industrial Operator Panels

NEW



WOP-2035V

3.5" QVGA Operator Panel

- 3.5" QVGA TFT LCD 256 colors, ARM9-based CPU 70MHz and 4M flash memory size
- Supports adjustable brightness control via touch panel
- Supports over 250 PLC communication protocols
- Panel Mounting for machinery

NEW



WOP-2057V

5.7" QVGA Operator Panel

- 5.7" QVGA TFT LCD 256 colors, ARM9-based CPU 70MHz and 4M flash memory size
- Supports adjustable brightness control via touch panel
- Supports over 250 PLC communication protocols
- Panel Mounting for machinery

NEW



WOP-2070T

7" WVGA Operator Panel

- 7" WVGA TFT LCD 65,536 colors, ARM9-based CPU 200MHz and 8M flash memory size
- Supports adjustable brightness control via touch panel
- Supports over 250 PLC communication protocols
- Communicate with up to four types of device

NEW



WOP-2080V

8" SVGA Operator Panel

- 8" SVGA TFT LCD 65,536 colors, ARM9-based CPU 200MHz and 16M flash memory size
- Supports adjustable brightness control via touch panel
- Supports over 250 PLC communication protocols
- Communicate with up to four types of devices

NEW



WOP-2104V

10" VGA Operator Panel

- 10.4" SVGA TFT LCD 65,536 colors, ARM9-based CPU 200MHz and 16M flash memory size
- Supports adjustable brightness control via touch panel
- Supports over 250 PLC communication protocols
- Communicate with up to four types of devices

NEW



WOP-2121V

12" SVGA Operator Panel

- 12.1" SVGA TFT LCD 65,536 colors, ARM9-based CPU 200MHz and 16M flash memory size
- Supports adjustable brightness control via touch panel
- Supports over 250 PLC communication protocols
- Communicate with up to four types of devices

Industrial Monitor and Display Solutions

NEW



FPM-5191G

19" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA, and DVI Ports

- Direct VGA & DVI-D video input and optional combo RS-232 & USB touchscreen
- Supports industrial 10-30 Vdc power input and optional external AC power adapter
- Front accessible USB connector and lockable OSD keys with 2 user-defined contrast/brightness settings
- Robust design of anti-rust chassis and aluminum die-cast flat-sealed front panel with IP65 protection



FPM-5171G

17" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA, and DVI Ports

- Direct VGA & DVI-D video input and optional combo RS-232 & USB touchscreen
- Supports industrial 10-30 Vdc power input and optional external AC power adapter
- Front accessible USB connector and lockable OSD keys with 2 user-defined contrast/brightness settings
- Robust design of anti-rust chassis and aluminum die-cast flat-sealed front panel with IP65 protection



ES-3000 Series

Industrial LCD Monitor

- Highly integrated embedded LCD touchscreen with EMI safety certification
- Protect against water and dust penetration with rubber plate design
- Easily integrated with embedded industrial display applications

Industrial Monitor and Display Solutions



ES-2100 Series

Open Frame Monitor

- Seamless integration with Advantech Box PC/IPC
- Full integration and cost-effective solution



ES-2200 Series

Rugged Panel Mount Monitor

- Extended open frame all features
- Rugged front bezel design
- IP64/NEMA 4/EMI safety

Fanless Industrial Panel Computers

NEW



TPC-1250H

12.1" SVGA TFT LCD Atom™ N270 Touch Panel Computer

- Intel Atom processor
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- JavaScript include for Web-based terminal solution
- Ready for Linux with Mozilla Firefox

Fanless Industrial Panel Computers



TPC-1780H/1770H

17" SXGA Celeron® M/ Core™2 Duo L7400 Touch Panel Computer

- Intel Celeron M Processor up to 1 GHz/Intel Core 2 Duo L7400 up to 1.5 GHz
- Downward I/O cabling
- Gigabit Ethernet and Fast Ethernet supported
- Supports Microsoft Windows XP/XPe/Vista (TPC-1780H)



PPC-L61T

6.5" Fanless Panel PC with AMD Geode LX800 Processor

- 6.5" VGA LCD with Embedded AMD Geode LX800 CPU
- System memory up to 1 G DDR SDRAM/10/100 Base-T Ethernet
- One CompactFlash Type I/II socket (True IDE Mode) / Optional SATA HDD module
- Microsoft Windows CE 6.0 and XP Embedded are available

NEW



PPC-L128T

12.1" Fanless Panel PC with Intel® Atom™ N270 Processor

- 12.1 TFT XGA LCD with Embedded Intel Atom processor N270 1.6 GHz
- System memory up to 2 GB DDR2 SDRAM/ one internal 2.5" SATA HDD interface
- Support six USB 2.0 ports (4 external/ 2 internal), Dual Gigabit Ethernet
- Optional PCI/PCle x 1 expansion kit/Smart battery module/ Wireless LAN module

Fanless Industrial Panel Computers

NEW



PPC-L157T

15" Fanless Panel PC with Intel® Atom™ N270 Processor

- 15" TFT XGA LCD with Embedded Intel Atom processor N270 1.6 GHz
- System memory up to 2 GB DDR2 SDRAM/ one internal 2.5" SATA HDD interface
- Support six USB 2.0 ports (4 external/ 2 internal), Dual Gigabit Ethernet
- Optional PCI/PCle x 1 expansion kit /Smart battery module/ Wireless LAN module

NEW



IPPC-6172A

17" SXGA Industrial Panel PC with Core™2 Duo/ Core™2 Quad Processors

- Intel Core 2 Quad CPU (up to 3.0GHz) / Core 2 Duo CPU
- Dual channel DDR3 SDRAM up to 8GB system memory
- Dual Gigabit Ethernet with Intel vPro out-of-band management technology
- Supports 2 x 2.5" SATA HDDs with RAID 0/1 compatibility and 2 PCI expansion slots

NEW



IPPC-6192A

19" SXGA Industrial Panel PC with Core™2 Duo/ Core™2 Quad Processors

- Intel Core 2 Quad CPU (up to 3.0GHz) / Core 2 Duo CPU
- Dual channel DDR3 SDRAM up to 8GB system memory
- Dual Gigabit Ethernet with Intel vPro out-of-band management technology
- Supports 2 x 2.5" SATA HDDs with RAID 0/1 compatibility and 2 PCI expansion slots

High-Performance Industrial Panel Computers

High-Performance Industrial Panel Computers



PPC-125T

12" Panel PC with Intel® Core™ 2 Duo Processor

- Intel Core 2 Duo processor up to 2.16 GHz
- USBx6, COM ports x4, GbE x 2, PCI-e (optional)x 1 or PCI (optional)x 1
- Resistive (Default), Capacitive. (optional)
- Silkscreen Logo, Front Bezel (removable), chassis color, installation accessories are fully-customizable

NEW



PPC-157T

15" Panel PC with Intel® Core™ 2 Duo Processor

- Intel Core 2 Duo processor up to 2.16 GHz
- USBx4, COM ports x4, GbE x 2, PCI-e or PCI (optional)x 1
- Resistive (Default), Capacitive. (optional)
- Silkscreen Logo, Front Bezel (removable), chassis color, installation accessories are fully-customizable

NEW



PPC-177T

17" Panel PC with Intel® Core™ 2 Duo Processor

- Intel Core 2 Duo processor up to 2.16 GHz
- USBx4, COM ports x4, GbE x 2, PCI-e or PCI (optional)x 1
- Resistive (Default), Capacitive. (optional)
- Silkscreen Logo, Front Bezel (removable), chassis color, installation accessories are fully-customizable

Industrial Communication & Network Video Solutions

Featuring Reliable Performance with Always-On Connectivity

Advantech's Industrial Communication products are designed with over 20 years of experience to deliver superior connectivity for mission critical applications. These products include: Wireless products, Industrial Ethernet Switches, Industrial PoE Switches, Serial Device Servers, Modbus Gateways, Serial Communication Cards, Video Capture Cards, Video Servers and Video Gateways. These products securely transmit critical and sensitive information, remotely monitor and control networked devices and emphasize high communication capabilities for industrial applications.



Wireless Access Points and Client Bridges



EKI-6311G

802.11 b/g Wireless Access Point/Client Bridge

- IEEE 802.11 b/g compatible
- IEEE 802.3 af Power over Ethernet (PoE) support
- High speed data rates (up to 54 Mbps)

NEW



EKI-6311GN

IEEE 802.11 b/g/n Wireless Access Point/Client Bridge

- Compliant with IEEE802.11b/g/n
- IP65 waterproof certification
- Embedded 8dBi directional antenna with external N-type connector for optional antenna
- High speed data rates (up to 135 Mbps)

NEW



EKI-6321AG/6322AG

802.11a/b/g Single/Dual Radio Multi-Functional Outdoor Wireless Access Point

- IEEE 802.11 a/b/g compatible
- IEEE 802.3 af Power over Ethernet (PoE) support
- Long operating range (up to 33Kkm)
- IP68 waterproof certification

Industrial Ethernet Switches



EKI-4654R

24+2 SFP Port Gigabit Managed Redundant Industrial Ethernet Switch with Wide Temp.

- 1U 19" rack-mount, 2 SFP ports, plus 24 Fast Ethernet ports
- Redundancy: Gigabit X-Ring (ultra high-speed recovery time < 10 ms), RSTP/STP (802.1w/1D)
- Fully integrated, dual-redundant power supply design: 2 x 100 ~ 240 V_{AC}/100 ~ 240 V_{DC}

NEW



EKI-6559TMI

8-port M12+2 port Fiber Optic Managed Industrial Ethernet Switch with Wide Temp.

- 2 x Multi-mode fiber ports, plus 8 Fast Ethernet ports
- Redundancy: X-Ring (ultra high-speed recovery time < 10 ms), RSTP/STP (802.1w/1D)
- Control: VLAN/GVRP, QoS, IGMP Snooping/Query, LACP, Rate Limit

NEW



EKI-2748FI/2748CI

4Gx+4SFP/6Gx+2 Combo Managed Ethernet Switch with Wide Temp.

- All Gigabit Ethernet ports for Copper and SFP/Combo interfaces
- SFP sockets for easy and flexible fiber expansion
- Redundancy: Gigabit X-Ring (ultra high-speed recovery time < 10ms), RSTP/STP (802.1w/1D)

NEW



EKI-4524RI

24+2 SFP Port Unmanaged Industrial Ethernet Switch with Wide Temp.

- 1U 19" rack mount with 2 SFP and 24 Fast Ethernet ports
- Supports 110~220 V_{AC}/V_{DC} power input
- Front panel LEDs simplify the monitoring and management



EKI-2725/2728

5-port/8-port Gigabit Unmanaged Industrial Ethernet Switch

- 5/8 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 9k bytes



EKI-2525/2528

5-port/8-port Unmanaged Industrial Ethernet Switch

- Provides 5/8 Fast Ethernet ports with Auto MDI/MDI-X
- Supports 4,000 V_{DC} Ethernet ESD protection
- Provides surge, EFT protection for power line

Industrial PoE Switches

NEW



EKI-7659CPI

8+2G Port Gigabit Managed Redundant Industrial PoE Switch with Wide Temp.

- 2 Gigabit Copper/SFP combo ports, plus 8 PoE injector ports
- SFP socket for easy and flexible fiber expansion
- Redundancy: Gigabit X-Ring (ultra high-speed recovery time < 10ms), RSTP/STP (802.1w/1D)

NEW



EKI-2528PAI

8-port Industrial PoE Switch with 24/48 V_{DC} Power Input, Wide Temp.

- Provides 8 Fast Ethernet ports with 4 PoE ports with injector function
- Supports redundant 24/48 V_{DC} power input and P-Fail relay
- Supports 10/100Mbps auto negotiation



EKI-2526PI

6-port Industrial PoE Switch with Wide Temp.

- Provides 6 Fast Ethernet ports with 4 PoE ports with injector function
- Supports 10/100Mbps Auto Negotiation
- Provides broadcast storm protection

Serial Device Servers



EKI-1526/1528

8-port/16-port RS-232/422/485

Serial Device Server

- Provides 2 x 10/100 Mbps Ethernet ports for LAN redundancy
- Supports baud rate up to 921.6 kbps
- Provides COM port redirection (Virtual COM), TCP and UDP operation modes



EKI-1521/1522/1524

1-port/2-port/4-port RS-232/422/485

Serial Device Server

- Provides 2 x 10/100 Mbps Ethernet ports for LAN redundancy
- Provides COM port redirection (Virtual COM), TCP and UDP operation modes
- Supports baud rate up to 921.6 kbps



EKI-1351/1352

1-port/2-port RS-232/422/485 to

802.11b/g WLAN Serial Device Server

- Link any serial device to an IEEE 802.11b/g network
- Supports wireless LAN Ad-Hoc and Infrastructure modes
- Provides COM port redirection, TCP, UDP, and pair connection modes

Modbus Gateways



EKI-1221/1222/1224

1-port/2-port/4-port Modbus Gateway

- Provides 2 x 10/100 Mbps Ethernet ports for LAN redundancy
- Integration of Modbus TCP and Modbus RTU/ASCII networks
- Supports up to 16 connections and 32 requests simultaneously

Serial Communication Cards



PCI-1612

4-port RS-232/422/485 PCI Communication Card

- Up to 921.6 kbps
- 16PCI954 UARTs with 128-byte FIFOs standard
- OS supported: Windows 98/ME/2000/XP/XP Embedded/Vista, Windows CE 5.0/6.0, Linux

NEW



PCI-1680U/1682U

2-port CAN-bus Universal PCI Communication Card with CANOpen

- Operates two separate CAN networks at the same time
- High speed transmission up to 1 Mbps
- Supports Windows 2000/XP/Vista and Linux

Media Converters



EKI-2541M/S

10/100TX to Multi-Mode/Single-Mode SC Type Fiber Optic Industrial Media Converter

- 1 x 10/100 Mbps Ethernet port with RJ45 connector
- Provides internal jumper for Link Fault Pass-through (LFP) setting
- Supports full/half duplex flow control

Network Video Solutions

NEW



NVS-3520

2-ch H.264 IP Video Server

- H.264 / MPEG4 / MJPEG dual streaming
- Up to D1@30fps for each channel
- Supports SD/SDHC cards up to 32GB for local backup
- Supports Information On Screen function



DVP-1412E

1-ch USB MPEG-4 Video Capture Module

- 1 channel composite input with MPEG-4 hardware compression; USB 2.0 High-speed interface
- Full-motion video/audio encoding up to D1 resolution at 30/25 fps
- SDK supports Windows XP/XP6/Windows 2000 with VC++ sample codes

Industrial Computers

Platforms and Services for Solution Integration Success

Advantech offers a comprehensive range of industrial computers that deliver cutting-edge technologies such as multi-core processing, PCI Express, dual channel DDR-3 memory and enhanced system management. These systems feature full-size/half-size Single Board Computers (SBC) or industrial motherboards, redundant power supplies, hot-swappable accessories, storage, cooling options and remote system monitoring, all fitted to chassis from 1U to 7U rack-mount, wallmount and fanless embedded chassis for demanding industrial applications that require seamless upgrades, long-term support, proven reliability, and strict revision control.



Compact Mini-ITX Chassis & Systems

NEW



ARK-6320

Fanless Mini-ITX Embedded Computer System with Atom™ Dual Core Solution

- Elegant, Rugged, Ultra-compact fanless system
- Built-in Intel Atom dual core D510 1.67 GHz
- Comprehensive I/O with dual Gigabit Ethernet
- Mini-PCIe expansion slot and DC12V input

NEW



ARK-6622

Compact Mini-ITX Chassis with One Expansion Slot

- Compact Mini-ITX chassis supports front I/O interfaces and one expansion slot
- Shockproof disk drive bay for up to two 2.5" hard disks
- Bottom cover design to access devices, eg. Compact Flash
- Equipped with 180W ATX power supply with power cord hook

Rackmount Chassis



IPC-630

New Generation 4U Rackmount Chassis with User-Friendly Industrial Features

- Supports either an ATX/MicroATX motherboard or a backplane up to 15 slots
- Shock-resistant drive bay design supports up to three 5.25" and two 3.5" disk drives
- Reusable, front-accessible fan filters for easy maintenance
- Versatile power supply options from single to redundant power supplies

Rackmount Chassis



ACP-1320

Compact 1U Rackmount Chassis with Dual SAS/SATA HDD Trays

- Space-saving 1U rackmount chassis, ideal building block for expansion
- Supports either full-size SHB/SBC or ATX/MicroATX motherboards
- LED indicators and alarm for power, HDD, temperature, fan, and LAN connectivity
- Support one slim ODD, dual SAS/SATA HDD trays and one 3.5" HDD



ACP-2010MB

2U Rackmount Chassis for ATX/MicroATX Motherboard

- Front LED indicators and audible alarm notification for system fault detection
- Shock-resistant drive bays to hold one 5.25" and three 3.5" drives
- Various riser card options to support three full-size PCI or PCIe cards for expansion
- Reusable and washable air filters



ACP-4320

4U Rackmount Chassis with Dual SAS/SATA HDD Trays

- Supports either an ATX motherboard or a PICMG backplane with up to 15 slots
- Supports dual SAS/SATA HDD trays for data monitoring applications
- LED indicators and alarm notification for system fault detection and network connection
- Lockable front door prevents unauthorized access

Pre-configured Systems and Services

To assist our valued customers with expedited service, we offer pre-configured systems and integration services to create a total system solution at an excellent price-performance ratio. They are integrated with strictly selected components and undergo rigorous testing to deliver guaranteed compatibility with great reliability to our worldwide customers. Configurations vary within regions. Please contact Advantech sales for more details.

Desktop/Wallmount Chassis

NEW



IPC-3026

6-slot Desktop/ Wallmount Chassis for Half-size SBC

- Stylish, compact design for embedded / industrial applications
- Front LED indicators and alarm notification for system fault detection
- Shock-resistant disk drive bay holds one 3.5" disk drive
- Two 2.5" HDDs with optional front-access HDD

NEW



IPC-6025

5-slot Desktop/Wallmount Chassis with Scalability for Multi-system Solution

- Ultra compact desktop chassis with scalability to 5U quad-system solution
- Front LED indicators and alarm notification for system fault detection
- Shock-resistant disk drive bay holds one external and two internal 3.5" disk drives
- Supports 5-slot PICMG 1.3/1.0 full-size passive backplane



IPC-5122

Desktop/Wallmount Chassis for MicroATX Motherboard with PS/2 Power Supply

- Streamlined in-chassis airflow design supporting up to Intel Core 2 Quad processor with suggested CPU cooler
- Supports up to four expansion slots
- Shock-proof and anti-vibration drive bay design for industrial applications

Full-size Slot SBCs

NEW



PCE-5125

Intel® Core™ i7/i5/i3/Xeon SHB with DDR3/Dual GbEs/SATA RAID/Dual Display

- LGA 1156 Intel Core i7/i5/i3/Pentium/Xeon CPU
- Dual Channel (ECC) DDR3 1333 MHz up to 8 GB
- Support PCE-7000 and 5000 series backplanes
- VGA and DVI dual display



PCE-5124

LGA775 Intel® Core™ 2 Quad SHB with VGA/Dual GbE/6 COM ports

- Supports LGA 775 Intel Core 2 Quad processors with FSB 1333 MHz
- Supports Dual Channel DDR2 667/800 SDRAM up to 8 GB
- One PCIe x16 and Four x1 to backplane, Dual Gigabit Ethernet via two PCIe x1 Lanes
- 6 COM ports and 6 SATA2 ports supports S/W SATA Raid 0, 1, 10, 5



PCA-6010

LGA775 Intel® Core™ 2 Duo SBC with VGA/DVI/Dual GbE LAN

- Supports LGA 775 Intel Core 2 Duo FSB 1066 MHz Processors
- Supports Dual Channel DDR2 667 SDRAM up to 4 GB
- Dual Gigabit Ethernet LAN via two PCIe x1 Lane, 2 COM Ports, 4 SATA ports, 8 USB ports
- Supports CF socket and DVI interface for G2 sku

Half-size Slot SBCs

NEW



PCI-7031

Intel® Atom™ N450/D510 PCI Half-size SBC with On-board DDR2/VGA/LVDS/Dual GbE/SATA/COM

- Fanless N450 CPU and 1 GB on-board DDR2 667 memory (N SKU)
- Dual core D510 CPU and maximum 2 GB DDR2 667 memory (D SKU)
- VGA/LVDS dual video outputs
- Optional module for 4 x RS-485 w/ auto-flow control



PCI-7030

Intel® Atom™ N270 PCI Half-size SBC with Dual GbE LAN/LVDS/DVI/SATA/6 COM

- Ultra Low power Fanless Atom N270 1.6 GHz
- One/Dual Gigabit Ethernet
- Supports up to 6 COM, 4 x RS-485 w/Auto-Flow control by PCA-COM485 Module
- 1600 x 1200 @ 18/36-bit LVDS, DVI support



PCA-6743

Advantech EVA-X5800 ISA Half-size SBC with LVDS/LAN/PC104/CFC/8 COM

- Fanless EVA-X5800 CPU and 512/256MB on-board DDR2 memory
- CRT+LCD dual video outputs
- Integrate Floating-point Unit and support FDD/PC104
- Optional module for 4 x RS-485 w/auto-flow control

ATX Motherboards

NEW



AIMB-780

Intel® Core™ i7/i5/i3/Pentium/Xeon ATX MB with DVI/VGA, 4 COM, Dual LAN, DDR3

- Supports Intel Core i7/i5/i3/Pentium/Xeon CPUs with Q57/3450 chipset
- Four DIMM up to 16 GB DDR3 800/1066/1333
- Supports dual display of VGA and DVI and dual GbE LAN
- Supports SATA RAID 0, 1, 5, 10, AMT6.0, TPM1.2 (optional)



AIMB-766

LGA775 Intel® Core™ 2 Quad /Core™ 2 Duo ATX MB with DDR2/Dual GbE/4 COM

- Supports LGA 775 Intel Core 2 Quad/ Core 2 Duo processors with FSB 1333 MHz
- Supports Dual Channel DDR2 667/800 SDRAM up to 8 GB
- Supports 4 PCI and 2 PCIe x1 and dual GbE controllers
- Supports 6 SATA II and software RAID 0, 1, 5, 10



AIMB-763

Intel® LGA775 Core™ 2 Duo /Pentium® 4 / ATX MB with VGA/ 4 COM/ Dual GbE

- Supports LGA 775 Intel Core 2 Duo processors with FSB 800/1066 MHz
- Supports Dual channel DDR2 533/667 SDRAM up to 4 GB
- Supports One/Dual Gigabit Ethernet via dedicated PCIe x1 bus
- Supports SATA RAID 0, 1, 5 and 10 for G2 version

Embedded IPCs

Diverse Designs for Versatile Applications

Advantech Embedded IPCs are designed to give developers fast, convenient and simplified solutions for industrial and embedded applications. The embedded designs, rugged features and powerful computing technology deliver reliability and flexibility. With no CPU fan, system fan, or power supply fan, these Embedded IPCs are designed with extended MTBF and require very low maintenance. These computers are targeted to satisfy customers looking for robust and compact computing platforms with industrial designs and built-in I/O to handle diverse applications.



Ultra-compact & Feature Focused Embedded IPCs

NEW



ARK-1310

Cost-effective, Entry-level Automation System Solution

- Built-in x86 SoC 150 MHz
- Cost effective entry-level solution
- 64 MB Memory onboard
- Supports VGA (LVDS optional)
- 4 x RS-232/422/485

NEW



ARK-1360

Cost Effective Intel® Atom™ Solution with miniPCIe Expansion Slot

- Built-in Intel Atom processor Z510P 1.1 GHz/ Z530P 1.6 GHz
- Ultra low power consumption solution
- One mini-PCIe socket expansion for wireless application
- 1 x 10/100/1000 Mbps Ethernet ports, 4 x USB 2.0, 2 x COM

NEW



ARK-1388

Ultra Compact, In-Vehicle Solution with Safe Start/Shutdown and Wireless Functions

- Built-in Intel Core 2 Duo processor ULV U7500 1.06 GHz / Celeron M ULV 423 1.06 GHz
- Startup and shutdown linked to car battery and ignition status
- ARK-1388 works with both 12-volt and 24-volt systems
- Optional built in WLAN/GPRS/EDGE//UMTS/HSDPA module

Slim Embedded IPCs

NEW



ARK-3202

Cost-effective Intel® Atom™ N270 Multiple Function Platform

- Intel Atom N270 Processor 1.6 GHz
- Dual display and support for wide screen with high resolution
- Supports 2 x GbE, 5 x USB 2.0 and up to 5 x COM ports
- Optional WLAN and HSDPA modules for advanced in-vehicle solution

NEW



ARK-3360

Intel® Atom™ N450/D510 High Value Automation Control Box

- Fanless, Intel Atom N450/D510 1.67GHz Compact Embedded Box IPC
- MiniPCIe/MiniPCI expansion for communication module, i.e. HSDPA, WLAN
- Dual display and support for wide screen with high resolution
- Supports up to 3 x GbE, 6 x USB 2.0 and up to 6 x COM ports

ARK-3390

Intel® Core™ 2 Duo Automation Control System with Two Isolated COM Ports and GPIO

- Fanless, Intel Core 2 Duo Compact Embedded Box IPC
- Supports 9 ~ 34 V wide range DC power inputs
- 3 x RS-232/422/485 with Auto Flow Control and 2 x RS-422/485 with isolation
- 5 x USB 2.0 and 1 x Internal USB port for GPS/GPRS/3G dongle

PCIe Expansive Compact Box IPCs



ARK-3420

High Performance Solution with PCIe Expansion and Dual SATA HDDs for Image Processing and Surveillance Applications

- Fanless, Intel Core 2 Duo Compact Embedded Box IPC
- Dual display and support for wide screen with high resolution
- Supports 2 x GbE, 1 x eSATA, 6x USB 2.0 and 4 x COM ports
- Two internal 2.5" SATA HDD drive bays

NEW



ARK-3440

High Performance Solution with Intel® Core™ i7, PCIe Expansion and Dual SATA HDDs for Powerful Computing Applications

- Fanless, Intel Core i7 Ultra-Compact Embedded Box IPC
- Support HDMI, VGA, and DVI Multiple display and support for wide screen with high resolution
- Supports 1 x HDMI, 1 x eSATA, 2 x GbE, up to 5 x COM ports
- Two internal 2.5" SATA HDD drive bays

Industrial Mobile Computers

Computing Devices for a Wide Range of Mobile Needs

Advantech Industrial Mobile Computing solutions provide industrial-grade computers for a variety of vertical markets. They are also certified power solutions; either x86 or RISC based, and emphasize rich I/O and RF protocols. Ruggedly constructed designs and long product life cycles make these computers especially attractive for fleet management, logistics & warehousing, off-road & heavy duty, and law enforcement applications.



Portable Computers



PWS-8101M

10.4" XGA TFT LCD Intel® Core™ 2 Duo Ultra Rugged Mobile Computer with Wi-Fi

- IP65 guarantees protection against dirt, dust and water
- Certified by MIL-STD-810F and MIL-STD-461E
- High capacity rechargeable Li-ion battery with 4-hrs continuous operation
- Outdoor communication with 802.11a/b/g, bluetooth
- Suitable for military application



PWS-8033M

3.7" VGA TFT LCD XScale® PXA270 Ultra Rugged Mobile Computer with Wi-Fi and GPS

- IP67 guarantees protection against dirt, dust and water
- Certified by MIL-STD-810F and MIL-STD-461E
- Standard 5-way controller and 4 function keys for one hand operation
- High capacity Li-ion battery provides 8-hrs continuous operation
- Suitable for military application



MARS-3100R

10.4" Fully Rugged Industrial Tablet PC

- Intel Core Duo Ultra Processor with low voltage U2500 @ 1.2 GHz
- Rugged design protects from shock/vibration damage
- IP54 fully-sealed chassis for water/dust resistance
- Powerful communication capabilities with built-in WLAN and Bluetooth optional, GSM/GPRS/EDGE/HSDPA modules

Mobile Data Terminal



TREK-303

7" Smart Vehicle Display

- Vehicle grade 7" 800 x 480 x 234 TFT LCD
- -30 ~ 70° C wide temperature range support
- Five user-defined function keys, 2 watt speaker, and USB host
- Supports both manual and auto-adjust light sensor brightness control



TREK-510

ARM-based, In-Vehicle Computing Box

- ST ARM based STA2062 333 MHz CPU with WinCE 5.0
- Automotive grade working temperature range (-30 to 75° C), vehicle power design
- Rich I/O such as CAN, multi-COMs, isolation 4DI/4DO, Line out, Mic in, USB, SD
- Built-in communication modules, such as GSM/GPRS/HSDPA/CDMA, WLAN & Bluetooth



TREK-550

Intel® Atom™ processor, Industrial In-Vehicle Computing Box

- Supports WinCE 6.0, XPE, XP and Linux
- Automotive grade temperature range (-30 to 70° C)
- Rich I/O such as CAN, LAN, RS-232, RS-485, J1708, isolation 4DI/4DO, Line out, Mic in, USB, and Video-in
- Built-in communication modules, such as GSM/GPRS/HSDPA/CDMA, WLAN & Bluetooth

Vehicle Mounted Computers



TREK-776

12.1" Vehicle Mounted Computer with Pentium® LV M/ ULV Celeron® M Processor

- Rugged aluminum enclosure and fanless design
- IP65 dustproof and waterproof seals
- -30 ~ 60° C operating capability
- Flexible expansion capability for WLAN, GPS, GSM/GPRS



TREK-743

7" Vehicle Mounted Computer with AMD LX800 Processor

- Embedded OS Support (Win CE 5.0 or XP Embedded)
- Automotive grade working temperature range (-20 to 60° C)
- Reliable wide DC power input for in-vehicle application
- Flexible expansion capability for WLAN, GPS, GSM/GPRS/HSDPA/CDMA

Mobile Digital Video Computer



DVS-355M

Mobile Digital Video Surveillance Platform with Intel® Core™ Duo Mobile Processor

- Up to 6 channel composite video inputs
- Fanless design within sealed construction
- Anti-vibration, anti-shock ensure maximum reliability
- Wide input range power source (9 ~ 30 Vdc)
- Supports Windows 2000/XP with driver and SDK

Programmable Automation Controllers

Advantech's APAX: The New Generation of Programmable Automation Controllers

Advantech's Programmable Automation Controllers (PAC) combine the PLC's ruggedness with PC-based technology, an open architecture, high performance CPU, rich I/O modules and powerful software. These devices satisfy the market demand for integrating HMI, control logic, motion, vision and networking in a single platform. Furthermore, APAX-5000 series offers a unique system architecture, providing dual controllers for different tasks, same I/O with changeable controllers, and flexible I/O expansion with time-deterministic performance making them the new generation of PAC in the market.



Controllers



APAX-5570XPE/5571XPE

PC-based Controller with Celeron® M CPU

- Rich communication interfaces with other industrial devices and network
- Built-in Modbus server on Windows XP Embedded to control APAX I/O modules
- SD card slot for data logging



APAX-5520CE/KW

XScale® CPU PC-based Controller / Micro PAC

- Palm-sized Windows CE ready platform
- C/C++ or KW softlogic programming environment to build real-time control program
- Internal CF card slot for data logging

CANOpen Controllers



CANopen **NEW**

APAX-5620CE/KW

XScale® CPU PC-based Controller with CANOpen / Micro PAC with CANOpen

- Windows CE ready platform
- Offer CANOpen fieldbus master to connect with other CANOpen slave devices and motors
- Internal CF card slot for data logging

Communication Modules



APAX-5070

Modbus/TCP Communication Coupler

- Supports Modbus/TCP protocol
- Fixed or user-defined Modbus address mapping
- Support alarm action configuration



APAX-5071/5072

ProfiNet, Ethernet/IP Communication Coupler

- Supports ProfiNet (APAX-5071) and Ethernet/IP (APAX-5072) protocol
- Line or star topology to save wiring cost
- Easy to connect with Allen-Bradley or Siemens PLC

Motion Control Modules



APAX-5202P

2-port AMONet Master Module

- Decentralized motion control by two AMONet RS-485 master rings
- Each network controls up to 2048 I/O connections or 256 motion axes
- Connect with AMAX AMONet slave motion and I/O modules

I/O Modules



APAX-5017

12-ch Analog Input Module

- Isolated voltage and current inputs including ± 10 V and 4 ~ 20 mA
- Each channel with different input type and range
- Common mode voltage up to 200 Vdc



APAX-5040

24-ch Digital Input Module

- Isolated DI channels (sink/source type, 24 Vdc rated voltage range)
- Over voltage protection
- Indicates each DI channel status by LED



APAX-5046

24-ch Digital Output Module

- Isolated DO channels (sink type, 24 Vdc rated voltage range)
- Short circuit and thermal shutdown protection
- Indicates each DO channel status by LED

Embedded Automation Computers

Open and Robust Computing Power for Automation Applications

As a leading industrial automation provider, Advantech is dedicated to providing fanless, green, industrial-proven and application-ready platforms to serve diverse applications. With a robust design, they include; built-in industrial I/O functions, isolated chassis grounds, multiple expansion solutions and multiple mounting methods. Advantech's Embedded Automation Computers have been successfully implemented into a wide range of fields, such as Power & Energy, Intelligent Transportation, Machine Automation and Marine-based solutions.



DIN-rail PCs



UNO-1170/1170E

Intel® Pentium® M/Celeron® M DIN-rail PC with 2 x LAN, 3 x COM, 4 x USB, PC/104+

- DIN-rail mounting, small foot print, front accessible
- 2 x RS-232 and 1 x RS-232/422/485 port with automatic flow control
- 3 x External and 1 x Internal USB for dongle & flash drive
- Onboard 512KB battery-backup SRAM to keep critical process data

NEW



UNO-1150/1150E/1150G/1150GE

AMD Geode GX/LX DIN-rail PC with 2 x LAN, 3 x COM, PCI-104

- DIN-rail mounting, small foot print, front accessible
- 1 x RS-232 and 2x RS-232/422/485 port with automatic flow control
- 15W low power consumption and -10~60° C wide temperature

NEW



UNO-1140/1140F

x86 SoC DIN-rail PC with 1 x LAN, 8 x Isolated COM

- Open architecture x86 SoC Platform
- 4 x isolated RS-232/485 and 4 x isolated RS-485 ports with automatic flow control for UNO-1140F; 4 x RS-232/485 ports for UNO-1140
- -20~75° C operation temperature with IP40 certified
- 10W low power consumption

Compact Automation Computers



NEW



UNO-2173A/UNO-2173AF

Intel® Atom™ Automation Computer with 1 x LAN, 2 x COM, Mini-PCIe

- Energy Star certified green product with only 15W power consumption
- -20~70° C operation temperature with IP40 certified
- Support Mini-PCIe card for WLAN / 3G solution



UNO-2172/2182

Intel® Pentium® M/Core™ 2 Duo Automation Computer with 2 x GbE, 4 x COM, DVI

- Supports Core 2 Duo and -20~60° C environments
- DVI-I dual display and redundant LAN ports
- PCI-104 expansion and e-SATA for external storage
- Onboard 512KB battery-backup SRAM to keep critical process data

Rackmount Automation Computers



NEW



UNO-4672

Intel® Pentium® M/Celeron® M Automation Computer with 6 x LAN, 10 x COM, 8 x DI, 8 x DO, PC/104+

- IEC-61850-3/IEEE 1613 compliant for substation automation gateway applications
- 2000Vdc isolated COM ports and redundant LAN ports
- Built-in isolation PSU (Power Supply Unit) for 110~220 AC/DC input

Wallmount Automation Computers

NEW



UNO-3072LA

Intel® Atom™ Automation Computer with 2 x PCI, 2 x GbE, 2 x COM

- Onboard Atom 1.6 GHz processor and 1GB DDR2 memory on -10~65° C environments
- 2 x Gigabit Ethernet with teaming function support
- Both DVI-D and VGA displays to support dual display
- Dual CF, 4 x USB and Audio

NEW



UNO-3082/3084

Intel® Core™ 2 Duo Automation Computer with Dual DVI, 2 x PCI/3 x PCI and Firewire

- Onboard L7500 1.6GHz CPU on -10~55° C environments
- Dual DVI-I for triple displays and IEEE-1394 for vision
- 2 x Gigabit Ethernet with teaming function support
- Dual SATA HDD support RAID 0/1 and additional eSATA
- Isolation DI/O and 512KB Battery-backup SRAM

NEW



UNO-3282/3272

Intel® Core™ 2 Duo/Celeron® M Automation Computer with PCI/PCIe, 2 x GbE, 4 x COM, DVI

- 2 x Gigabit Ethernet with teaming function support
- 2 x PCI-bus or PCIe/PCI expansion
- 2 CF and 2 SATA HDD with RAID 0/1 support
- Both DVI-D and VGA displays to support dual display
- -20~60° C wide temperature at full CPU and I/O load

Data Acquisition & Control

A Broad Selection of Form Factors to Satisfy All Your DAQ Needs

Advantech offers a wide range of industrial data acquisition and control devices with various interfaces and functions based on PC technology, from ISA to USB, and signal conditioning to graphical software tools. Advantech's industrial I/O products are reliable, accurate, affordable, and suitable for many industrial automation applications, such as test & measurement, laboratory applications, machine automation, and production testing. Moreover, the brand new I/O drivers support Windows 7, helping customers seamlessly integrate Advantech's data acquisition cards to existing platforms, improve performance, and cut down development time.



USB Data Acquisition & Control Modules

NEW



USB-4702

10 kS/s, 12-bit, 8-ch Multifunction USB Module

- Supports USB 2.0
- Cost-effective
- Bus-powered
- 12-bit resolution, 8-ch analog input
- 8-ch DI, 8-ch DO, 2-ch AO and one 32-bit counter

USB-4711A/4716

150/200 kS/s, 12/16-bit, 16-ch Multifunction USB Modules

- Supports USB 2.0
- 12/16-bit resolution, 16-ch analog input
- 8-ch DI, 8-ch DO, 2-ch AO, and one 32-bit counter
- Detachable screw terminal on module
- Suitable for DIN-rail mounting
- Lockable USB cable for secure connection

NEW



USB-4620

5-port Full-speed Isolated USB 2.0 Hub

- 5 downstream USB 2.0 ports
- Compatible with USB 2.0 full-speed (12 Mbps)
- 3,000 Vdc voltage isolation for each downstream port
- Suitable for DIN-rail mounting
- 10 ~ 30 Vdc power input (power adapter not included)
- Lockable USB cable for secure connection

PCI & PCIe Data Acquisition & Control Cards

NEW



PCI-1744

30 MS/s, 12-bit, Simultaneous 4-ch Analog Input PCI Express Card

- PCI Express V1.0
- Onboard FIFO memory (32,768 samples, each channel)
- 4 A/D converters simultaneously sampling
- Multiple A/D triggering modes
- Programmable pacer/counter

PCI-1710U/HGU

100 kS/s, 12-bit, 16-ch Universal PCI Multifunction Card/ with High Gain

- 16-ch single-ended or 8-ch differential or a combination of analog input
- Automatic channel/gain scanning
- Onboard FIFO memory (4,096 samples)
- 12-bit resolution, 2-ch analog output
- Onboard programmable counter

PCI-1730U

32-ch Isolated Digital I/O Universal PCI Card

- 32-ch isolated digital I/O (16-ch DI, 16-ch DO)
- 32-ch TTL digital I/O (16-ch DI, 16-ch DO)
- High-voltage isolation on output channels (2,500 Vdc)
- High output driving capacity
- Interrupt handling capability

PCI-104 Data Acquisition & Control Modules

NEW



PCM-3810I

250 kS/s, 12-bit, 16-ch Multifunction PCI-104 Module

- 16 single-ended or 8 differential A/D inputs, switch selectable
- 12-bit A/D converter, up to 250 kHz sampling rate
- Programmable gain for each input channel
- Onboard ring buffer for analog input and output

PCM-3730I

32-ch Isolated Digital I/O PCI-104 Module

- High-voltage isolation on both input and output channels (2,500 Vdc)
- High output driving capacity
- Interrupt handling capability
- Keep digital output values after system reset

PCM-3761I

8-ch Relay and 8-ch Isolated Digital Input PCI-104 Module

- 8 Form C type relay output channels
- Keep relay outputs after system reset
- High-voltage isolation on input channels (2,500 Vdc)
- Wide input range (5 ~ 30 Vdc)
- Interrupt handling capability

Remote I/O Modules

Smart Ethernet I/O with Peer-to-Peer and with Easy Logic Control

Advantech's Remote I/O ADAM series delivers complete solutions, featuring a compact size, rich I/O interfaces, reliable operation, and a wide temperature range. Through Advantech's GCL (Graphic Condition Logic) and Peer-to-Peer functionality, the ADAM-6000 series are not only Ethernet-based Remote I/O devices, but also small controllers with intelligent processing ability, saving costs and development time. The Ethernet/IP-enabled ADAM-6100 series are real-time Remote I/O solutions designed for use in process control and industrial automation applications.



Smart Ethernet I/O Modules



ADAM-6017/6018

8-ch Isolated Analog Input Module with 2-ch DO / 8-ch Isolated Thermocouple Input Module with 8-ch DO

- Modbus/TCP, TPC/IP, UDP and HTTP protocol
- Embedded web server
- Supports data stream and event trigger
- Supports GCL and Peer-to-Peer



ADAM-6050

18-ch Isolated Digital I/O Module

- Modbus/TCP, TPC/IP, UDP and HTTP protocol
- 12-ch digital input and 6-ch digital output
- Embedded web server
- Supports data stream and event trigger
- Supports GCL and Peer-to-Peer



ADAM-6060

6-ch Digital Input and 6-ch Relay Output Module

- Modbus/TCP, TPC/IP, UDP and HTTP protocol
- 6-ch digital input and 6-ch relay output
- Embedded web server
- Supports data stream and event trigger
- Supports GCL and Peer-to-Peer

Real-time Ethernet I/O Modules



NEW

ADAM-6117EN/6118EN

8-ch Isolated Analog Input Module / 8-ch Isolated Thermocouple Input Module

- EtherNet/IP protocol
- High common mode voltage 200 V_{DC}
- 1 kV surge, 3 kV EFT and 8 kV ESD protection
- 2 x RJ-45 LAN (daisy chain)



NEW

ADAM-6150EN

15-ch Isolated Digital I/O Module

- EtherNet/IP protocol
- 8-ch digital input and 7-ch digital output (sink)
- Normal output current: 0.5 A (per channel)
- 2 x RJ-45 LAN (daisy chain)



NEW

ADAM-6160EN

6-ch Relay Output Module

- EtherNet/IP protocol
- 6 relay channels (Form C)
- Breakdown voltage: 500 V_{AC} (50/60 Hz)
- 2 x RJ-45 LAN (daisy chain)

Robust RS-485 I/O Modules



ADAM-4117/4118

Robust 8-ch Analog Input Module / Robust 8-ch Thermocouple Input Module

- Wide operating temperature -40 ~ 85°C
- 8 differential and independent configuration channels
- Supports Modbus/RTU protocol
- High common mode voltage 200 V_{DC}
- 1 kV surge, 3 kV EFT and 8 kV ESD protection



ADAM-4150

Robust 15-ch Digital I/O Module with Modbus

- Wide operating temperature -40 ~ 85°C
- 7-ch digital input and 8-ch digital output
- Supports Modbus/RTU protocol
- 1 kV surge, 3 kV EFT and 8 kV ESD protection
- Broader power input range (10 ~ 48 V_{DC})



ADAM-4168

Robust 8-ch Relay Output Module with Modbus

- Wide operating temperature -40 ~ 85°C
- 8-ch Form A relay output
- Supports Modbus/RTU protocol
- 1 kV surge, 3 kV EFT and 8 kV ESD protection
- Broader power input range (10 ~ 48 V_{DC})

Application Specialized Solutions

Standard Offerings to Fit Specific Needs

To meet diverse requirements and certification needs, Advantech provides application specialized solutions in addition to a complete range of industrial devices and computing products. Our industrial certified products meet special requirements in a wide range of demanding applications such as in marine, food and beverage, and power substation automation. In addition, we have complete range of solutions for interactive infotainment, self service terminal, digital signage, as well as building & home automation and energy management.



Automation Platforms with Special Industrial Certifications



UNO-4672

Intel® Pentium® M/Celeron® M
Automation Computer with 6 x LAN, 10 x COM, 8 x DI, 8 x DO, PC/104+

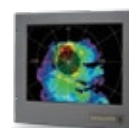
- IEC 61850-3 & IEEE 1613 Compliant PC for Substation Automation gateway applications
- 2000Vdc isolated COM ports and redundant LAN ports
- Built-in isolation PSU (Power Supply Unit) for 110~220 AC/DC Input



EKI-4654R

24+2 SFP Port Gigabit Managed
Redundant Industrial Ethernet Switch with
Wide Temp.

- IEC 61850-3 & IEEE 1613 Compliant Switch for Substation Automation
- 2 SFP ports, plus 24 Fast Ethernet ports
- Redundancy: Gigabit X-Ring (recovery time < 10 ms)
- Supports wide operation temperature from -40~85 °C



FPM-8192V

19" SXGA Transflective Marine Grade
Monitor with Resistive Touchscreen

- 19" SXGA TFT LCD with transflective technology for outdoor visibility
- DNV standard 2.4 certified and IEC-60945 & IACS-E10 approved
- Dimming knob controls backlight brightness from nearly 0% to 100%
- Front OSD control with PIP (picture in picture) function
- Suitable for Marine ECDIS application

Automation Platforms with Special Industrial Certifications



FPM-8232V

23" UXGA Marine Grade Monitor with
Direct-VGA, S-Video and DVI Ports

- 23" UXGA TFT LCD with transflective technology for outdoor visibility
- DNV standard 2.4 certified and IEC-60945 & IACS-E10 approved
- Dimming knob controls backlight brightness from nearly 0% to 100%
- Front OSD control with PIP (picture in picture) function
- Suitable for Marine ECDIS application



IPPC-8151S

15" XGA TFT LCD Celeron M Fanless
Industrial Panel PC with Stainless Steel

- Designed with NEMA4X (IP66) dustproof and waterproof protection
- All-around IP66 protection with enclosure kit (optional)
- 316L stainless steel and food-safe sealing materials
- Anti-corrosive and chemical resistant touchscreen
- Suitable for Food & Beverage application

Intelligent eHome Platforms



UBIQ-230T

One-Touch Scenario Control Panel with
3.5" Color LCD

- Built-in IR receiver & Ethernet & RS-485 interface
- Seven programmable scenario keys with replaceable faceplate
- Modbus & UPNP supported

Intelligent eHome Platforms



UBIQ-360

7" Widescreen Mobile Control Panel with
Touchscreen

- Advantech SUSI API manager is supported for easy SI development
- WiFi 802.11 b/g
- Infrared Remote Control with Smart Learning Program



UBIQ-480

7" Residential Terminal with Touchscreen

- Supports RS-485/RS-232, USB2.0, DI/DO
- PoE Power (Power over Ethernet, optional)
- Intercom compatible
- Built-in IR receiver

EH-7106

10.4" Residential Terminal with
Touchscreen

- Four programmable function keys
- Handset
- CCD camera
- One emergency button



Interactive Self-service Terminals

NEW



PIT-1501W

15.6" Patient Infotainment Terminal with Touchscreen

- Fanless Intel Atom 1.6GHz
- Equipped with RFID/WiFi/Smart Card Reader
- Built-in CMOS camera & Built-in emergency key & 2 x indicators
- EN60601-1 certification approved

PIT-1702

17" Patient Infotainment Terminal with Touchscreen

- Fanless Intel Celeron M ULV 1.06 GHz/Core 2 Duo 1.06 GHz
- Built-in CMOS camera & Built-in emergency key & 2 x indicators
- Equipped with RFID/WiFi/Smart Card Reader
- EN60601-1 certification approved



NEW



UTC-W101

10.1" eService Touch Computer with Intel® Atom™ Processor

- Fanless Intel Atom Z530 1.6 GHz
- Providing Natural Viewing Experience with 16:9 10.1" WSXGA Display
- Instant Function Access through front programmable Capacitive Touch Hotkeys
- Top Cover Modules designed to applications, such as LED Lamp for Service Call

Digital Signage Platforms



ARK-DS302

Ultra Compact Digital Signage Platform

- Intel Atom processor Z530 1.6GHz and Poulsbo XL (US15W)
- Compact size and low profile for easy installation
- Fanless design and low power consumption
- Built-in Intel GMA 500 hardware video decode accelerator

NEW



ARK-DS303

Cost-effective Digital Signage Platform

- Intel Atom N270 1.6GHz and system controller Hub 945GSE
- Support HD up to 720P; optional support up to 1080P with add-on HD decoding module
- Dual display of HDMI and VGA
- Built-in MiniPCle slot for easy expansion

NEW



ARK-DS350

High Graphic Performance Digital Signage Platform

- AMD 780MN and SB700 platform with selection of high-end AMD CPU
- Integrates ATI Radeon HD 3200 graphic engine for DirectX 9.0 compliant 2D/3D graphics performance
- Dual display of HDMI and VGA, support Full HD up to 1080p

Building Automation Systems



BAS-3512/3520

12-ch/ 20-ch Web-enabled DDC Controller

- Web-enabled programmable DDC controller
- Features a 32-bit processor at 312 MHz
- Compact and streamlined design
- 24 Vdc/ 24Vac power inputs



BAS-3018/3024

8-ch UI/ 4-ch UI, 4-ch AO, 4-ch DO Expansion Module

- 16-bit universal input (V/ I/ RTD/ Thermistor/ DI)
- 12-bit analog output (BAS-3024)
- Supports PWM output (BAS-3024)



BAS-3050/3051

8-ch DI, 8-ch DO/ 16-ch DI Expansion Module

- Supports PWM output (BAS-3050)
- Supports 1 kHz counter inputs and 1 kHz frequency input



BASPro

BAS-3000 DDC Programming Tool

- Features an easy-to-use graphical programming environment
- Provides abundant BA domain functions
- Includes auto tune PID control functions
- Allows offline simulations and online debugging



Advantech WebAccess

Browser-based HMI/ SCADA Software

- View, control and configure systems remotely through an IE browser
- Supports SQL Queries and ODBC connectivity
- Provides redundant SCADA and COM ports
- Integrates both audio and video



Advantech BEMS

Building Energy Management Software

- Browser-based Energy Management System provides convenience and accessibility
- Primary energy conversion profiles
- View valuable energy analysis and reports easily
- Allows users to configure energy/cost analysis and reports

Enabling an Intelligent Planet

Advancements in technology have paved the way for modern civilization; allowing us to interconnect human lives in a way never before thought possible. Advantech, a global manufacturer in automation, continues to explore what technology can bring into our lives. With over two decades of proven experience, we combine information, automation and communication technology with efficiency, energy conservation, minimized risk, cost-effectiveness, and environmental protection to create solutions to enable an intelligent planet.



Intelligent Transportation

- Railway Supervision Systems
- Freeway Management and Information Display
- In-Vehicle Operations
- Electronic Payment
- Marine ECDIS Navigation System



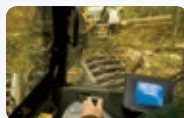
Railway Supervision



Marine ECDIS Navigation



Freeway Management



In-Vehicle Operations



Electronic Payment

Factory and Machine Automation

- Production Automation
- Process Control
- Automatic Testing & Inspection
- Packing Automation



Automatic Testing & Inspection



Process Control



Production Automation



Packing Automation

Power and Energy

- Power Generation
- Power Distribution
- Renewable Energy
- Building Automation & Energy Management



Power Generation



Power Distribution



Renewable Energy



Building Energy Management

Medical and Healthcare

- Nursing Care
- Patient Infotainment
- Patient Monitoring
- Medical Imaging



Nursing Care



Patient Infotainment



Patient Monitoring



Medical Imaging

Industrial Mobile (Vehicle) Computing

- Fleet Management
- Logistics & Warehousing
- Law Enforcement
- Off-road & Heavy Duty



Fleet Management



Logistics & Warehousing



Law Enforcement



Off-road & Heavy Duty

Retail, Self Service & Hospitality

- Self Service & Kiosks
- Interactive Signage
- Digital Signage
- Intelligent Homes



Self Service & Kiosks



Interactive Signage



Digital Signage



Intelligent Homes

Environmental and Facility Management Systems

- Air Quality Monitoring
- Water Treatment Management
- Hazard Prevention and Monitoring
- Telecom Station and Control Room Facility Management



Air Quality Monitoring



Water Treatment



Hazard Prevention



Telecom Facility Management