Regional Service & Customization Centers

China
Kunshan
86-512-5777-5666

Taiwan
Taipei
886-2-2692-6076

Netherlands
Eindhoven
31-40-267-7000

Poland
Warsaw
48-22-33-23-730

USA/ Canada
Milpitas, CA
1-408-519-3800

Worldwide Offices

Greater China

China
Toll Free	800-810-0345
Beijing	86-10-6298-4346
Shanghai	86-21-3632-1616
Shenzhen	86-755-8212-4222
Chengdu	86-28-8545-0198
Hong Kong	852-2720-5118

Taiwan
Toll Free	0800-777-111
Rueiguang	886-2-2792-7818
Yang Guang	886-2-2792-7818
Xindian	886-2-2218-4567
Taichung	886-4-2378-6250
Kaohsiung	886-7-229-3600

Asia Pacific

Japan
Toll Free	0800-500-1055
Tokyo	81-3-6802-1021
Osaka	81-6-6267-1887

Korea
Toll Free	080-363-9494
Seoul	82-2-3663-9494

Singapore
Singapore	65-6442-1000

Malaysia
Toll Free	1800-88-1809
Kuala Lumpur	60-3-7724-3555
Penang	60-4-397-3788

Thailand
Bangkok	66-2-248-3140

India
Toll Free	1800-425-5070
Bangalore	91-80-2337-4567

Australia
Melbourne	1300-308-531
Sydney	1300-308-531

Europe

Toll Free	00800-2426-8080

Germany
Munich	49-89-12599-0
Düsseldorf	49-211-97477-0

France
Paris	33-1-4119-4666
Grenoble	33-4-7670-4700

Italy
Milano	39-02-9544-961

Benelux & Nordics
Breda	31-76-5233-100
Roosendaal	31-165-550-505

UK
Berkshire	44-1344-381210

Poland
Warsaw	48-22-33-23-740/41

Russia
Toll Free	8-800-555-01-50
Moscow	7-495-232-1692

Americas

North America
Toll Free	1-800-800-6889
Cincinnati	1-513-742-8895
Milpitas	1-408-519-1788
Irvine	1-949-789-7178

Brazil
Toll Free	0800-770-5355
São Paulo	55-11-5592-5355

ADVANTECH

Enabling an Intelligent Planet

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Service Touch Computers
& Interactive Kiosks

Interactive. Stylish. Intuitive.

- ╱ Hospitality
- ╱ Brand Store
- ╱ Healthcare
- ╱ Public Space
- ╱ Transit Areas
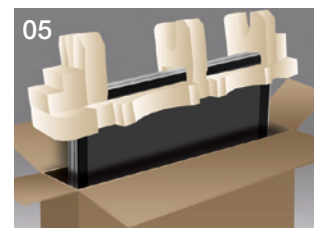- ╱ Enterprise & Campus

ADVANTECH

Enabling an Intelligent Planet

Full Service. All the Time.

Advantech's service touch computers and interactive kiosks use digital display technology and integrate input devices, such as touchscreens, web cameras, barcode scanners, MSRs, smart card readers, and RFID readers to communicate and engage the target audience. The systems display up-to-date information with well-designed interactive interfaces, ensuring delivery of relevant content and target promotions. Being able to display various types of media with centralized control over the network allows anyone to become a broadcaster. Advantech service touch computers and interactive kiosks are the best investment for owners to enhance user satisfaction, further brand equity and maximize business profit.

Quality & Economic Design Unite

01 Stylish, All-in-one Design
Simplifies standalone kiosk and self-service systems

02 Side Groove Design (UTC Series)
Addresses specific application needs

03 VESA Mount Flexibility (HIT Series)
Compact, lightweight, easy to mount

04 Device Functionality
Flexible, easy to integrate peripherals

05 Easy Storage & Shipment
Slim, one piece solution

06 Support for Different Operating Systems Provides More Flexibility
Implement software that responds to market needs

Intelligent Hospitality & Hotel Services

To enhance customer service in hotels from lobby to guest room, Advantech provides different solutions to satisfy a variety of needs. Combining technology with customer service, hotels can offer interactive products that allow clients to obtain information and receive premium services. Managers can easily manage the entire process through integrated hardware and software. An environment utilizing intelligent systems leads to higher marketing performance.

Lobby Hotel Information Delivery System
- Hotel floor directory
- Hotel facility and room types
- Travel and weather information
- Seasonal message board

Interactive Concierge Board
- Current exchange rate display
- Stock information
- Promotion display
- Flight arrival and departure information

Guest Room Scenario Control
- Lighting control
- Guest services
- Equipment control
- Motion Detectors

Banquet Presentation
- Ballroom introduction and e-Menu
- Banquet information and live broadcasts
- Wedding photo slide show

Premium Service in Retail & Brand Stores

From timely information updates to easy management of broadcasting content, Advantech solutions satisfy demand in retail and brand stores. Displayable content includes multimedia, photos, pictures, text and marquee messages. Displays attract potential customers as passersby are offered more information with an easy touch of the screen. Conveying precise information increases brand image and provides a premium service experience.

Retail Broadcasting System
- Advertisement broadcasting
- Immediate promotion broadcasting
- Building floor directory

Interactive Windows
- Interactive product introduction
- Website viewing
- Integrated with point of sale for online ordering

Product Information Display & RFID
- Product information updates
- Promotional messages
- Customized design content

Loyalty & Membership Management
- Bonus redemption programs
- Membership self-registration
- Membership information maintenance and modification
- Membership reminders for special offers

Restaurant eMenu and Self-ordering
- e-Menu for self-ordering
- Restaurant promotional combos
- Chef's recommended dishes
- Notifies kitchen to prepare dishes after self-ordering

Reliable Healthcare & Hospitals

From entry to the hospital and throughout the treatment process, Advantech provides different systems to make progress more efficient. Information terminals or interactive displays can be tailored to the specific needs and roles of particular users such as patients, staff, volunteers and visitors. Infotainment systems allow patients to do everything from entertainment to work. Medical staff and care providers can also utilize healthcare systems to provide more efficient medical treatment.

Lobby Information Delivery System
- Hospital floor plan
- Hospital facility and ward information
- Multi-language information system
- Locate destinations

Check-in System
- Self check-in and identification system
- Check-in notification recorded in hospital patient database
- Interactive introduction
- Personal information query

Queuing System
- Send alerts about waiting patients
- Ward and doctor information
- Instant message marquee

Bedside Infotainment
- Provide entertainment
- Communication system
- Nursing alert and call for help
- Beds, lighting, and curtain operation
- Electronic patient records, lab results and documention of observations and changes

Convey More in Public Spaces

At exhibitions, museums and sightseeing spots, Advantech makes it easier to convey information to the public. Broadcasting instant information, videos and advertisements through digital and interactive displays, multi-content sources attract more attention and enhance customer and visitor satisfaction. Membership systems combined with RFID readers or other peripherals stimulate interest; users simply swipe a membership card to get suggestions for further purchases.

Interactive Information System
- View maps and photographs
- Check exhibition and museum information
- Schedule tours
- Bookmark and email photographs

Interactive Multimedia Station
- Tour guide information
- Electronic bulletins
- Sightseeing information
- Map and direction finder
- Broadcast advertisements

Tourist Information Station
- Bonus redemption programs
- Promotional messages
- Membership self-registration
- Membership information maintenance and modification
- Membership reminders for special offers
- Loyalty programs
- Tourist behavior analysis system

More Possibilities in Transit Areas

Advantech makes it more convenient than ever for travelers to purchase tickets or check-in and locate boarding areas for plane, rail or bus. These functions are provided by interactive kiosks and other devices such as automated ticketing machines and tourist info centers. And while travelers wait, advertising broadcasters can promote innovative marketing initiatives using the displays. A survey collection system helps management proactively respond to and enhance customer experiences in the transit area.

Information Station
- Travel guide and custom information
- Message broadcasting for tours
- Traffic / weather information updates
- Sightseeing advertisements

Scheduling System
- Transportation schedules
- Information while waiting
- Flight and gate information
- Luggage information

Interactive Kiosks
- Self-service information
- Entertainment while waiting
- Checking personal schedules
- Tour information inquiry

Customer Survey Kiosks
- Survey collection system
- Back-end server integration
- Instant messages
- Advertisement broadcasting

Integration of Enterprise & Campus

Advantech provides solutions which can replace countless posters and bulletins. Announcements, events and sporting information in public area such as assembly halls, auditoriums and corridors can all be replaced with a network-based broadcast system reducing paper waste and increasing efficiency. Information is conveyed synchronously by a central control system. Depending on security requirements, photos and biometric data can be captured in the area during an ID check. The system is connected to databases, and can be installed at building entrances, parking areas or other areas where efficient information management is needed.

Interactive Digital System
- School/ building tours
- Reception welcome messages
- Remote teaching
- Live event/meeting broadcasting

Smart Office
- Scenario control
- Video equipment integration
- Facilities control (lighting/ curtains/ projectors)

Schedule Inquiry System
- Event location and timeline
- Speaker and seminar information
- Meeting/course information, appointments, reservations and bookings

Interactive reception system
- Visitors iReception
- Staff/ visitor identification
- Agenda checking
- Security guard or building entrance integration

Touch Computer Allows Travelers to Rate Airport Services 'On the Fly'

Introduction

Getting quality feedback from customers is important for any service organization. But how do you get feedback from hurried travelers passing through an airport? Having a survey collection system located at key points throughout an airport, that is fast, easy to use, and integrated to back-end servers where information can be tabulated is an ideal solution. The system fits the look and feel of the environment with a modern, sleek appearance, and it is easy to relocate without unsightly wires and cable conduits. Such a system can be used by airport administration to react quickly to customer issues, improve service levels, and enhance traveler experience while at the airport.

Benefits

Touch computer survey system provided:
- An all-in-one compact design that is aesthetically pleasing
- Responsive touchscreen, faster than competitors
- Data integration between end point terminals and back end office
- Paperless system. Wireless communications for easy mobility

Enhanced Patient Care Display Improves Medical Environment

Introduction

Hospitals are continuously evaluating technology to deliver better patient care, improve communications, reduce waste, and operate more competitively. These initiatives lead to improved service and are good for the environment as well. A private hospital in Asia is phasing in new technologies as part of its overall enhancement plan. New patient care display technology improves patient service with a touch panel that integrates with the existing nurse call and patient notes system. Units will be installed first in the ICU department, and eventually throughout other parts of the hospital.

Benefits

Touch screen patient care display provides:
- Long product life cycle from a respected manufacturer
- Optional UL60601-1/IEC/EN60601-1 certifications
- Easy to clean, important in a hospital environment
- Standard solution, easily linked to hospital information systems
- Intuitive interface with responsive touch panel, easy for patient use
- Enhanced patient experience with nurse call, security, entertainment, and communications

Advantech's UTC-W101E Tabletop Touch Panel PC Assists Tourists with Travel and Shopping Needs

Introduction

Location: Taiwan: Sun-Moon Lake

The Taiwan Easy Card is a stored-value card system used for convenient payment of bus, taxi, and subway fares. And its use has just been extended. When visiting Taiwan's celebrated Sun-Moon Lake resort, it is now possible for tourists to collect information about local promotions, activities, travel destinations, and more with a quick swipe of the Easy Card. Shopping, store promotions, and travel guide information are all conveniently accessible as well. The new application is being run at approximately 100 stores in the resort area, and has proved to be a boon to the local economy, saving the cost of brochure printing and helping keep the environment green. Originally, project managers were looking for an industrial-grade terminal with wireless capability and an RFID reader. The terminals were to be placed on table tops and needed to fit in with the decors of different retail shops.

Benefits

Provides easy-to-program applications such as:
- Value-card access to 100 stores in the Sun-Moon Lake resort
- Travel and destination information
- Shopping and attractions. Customized advertising

Making Informed Buying Decisions Boost Retail Sales Advantech's HIT-W151 Infotainment Terminal

Background

Location: Taiwan

A retail operator, selling upscale body and fitness products, faced challenges of how to differentiate their brand in a very competitive shopping mall while shortening the buyer purchase decision process. They wanted to move from traditional poster-based methods to a technology-based solution that provided answers to interactive queries, helped sales clerks, and helped influence buying decisions. Retail pressure was fierce, with all competitors working to make their products draw attention. The operator wanted a display system that was easy to use and maintain; informative; able to track customer usage; and fit into the upscale environment. The system needed to display multimedia product information on demand, assist clerks, and answer questions of potential buyers. The retailer decided to pilot a program from two of its outlets operating in Hola, a well-known Taiwanese home furniture store.

Benefits

The introduction of HIT-W151 provided:
- Increase of sales by 12%
- Capture of customer usage info
- Attractive, low-powered, and quiet
- Good fit in upscale retail mall with all-in-one, full flat panel design
- Expandable peripheral support available as needs change

UTC-515 Improves Accuracy in Semiconductor Fabrication

Introduction

The internet plays an essential role in the business world, and seamless communication between clients and semiconductor manufacturers is one of the critical keys to successful operations. Semiconductor fabrication plants ("fabs") utilize the latest communication technologies to keep tasks on focus, record data, and communicate process and status information to the outside world. The expenses associated with fab production are very high. Plant managers continually face challenges in optimizing yield, minimizing downtime, turning out high quality products, reducing inter-process times, and being able to quickly perform root cause analysis to diagnose human and machine problems along the various phases of production. Having real-time data monitoring with intelligent placement of sensors at key points in the manufacturing chain is crucial.

Benefits

- Space-saving 15.6", all-in-one design requires less space on the fab floor
- Side groove design allows a flexible list of peripheral devices to be easily
  - Barcode scanner (UTC-P07): records data
  - RFID (UTC-P03): for employee identification and tracking system

- Login by ID can be used for task management and tracking
- Online system is paperless, saves printing costs, and prevents manual errors
- Industrial computing performance: High system stability and good connectivity for easy integration with backend data-bases
- True, full-flat, touch screen design

Queuing and Registration System at Hospital in Asia

Background

A hospital in Asia initiated a project to place intelligent technology in its facility to aid patients and staff by simplifying processes and enhancing services. Patients needed to be able to complete self-registration forms online and monitor patient waiting systems, while medical staff needed to easily check medication requirements and other patient data. The hospital also wanted to use the system as a signage display to serve information from its intranet. The overall goal was to improve service levels and data access in the hospital. The system needed to be reliable and easy to use; durable, holding up to continual public use; easy to keep clean in the hospital environment; and have flexible peripheral attachments to suit different application requirements.

Benefits

- A single solution integrating touch computer, speakers and card reader in a lightweight unit
- Fits into existing decor
- Saves time for patients and staff with the check-in process
- Delivers interactive, health education via digital display

- Easy wall mounts; conforms to existing hospital infrastructure
- Easy to integrate with peripherals using an array of I/O ports
- IP-54 protection; a standard for use in hospital environments
- Supports both landscape and portrait orientations

Digital Signage Fun at the Taipei International Flora Expo

Introduction

Location: Taipei, Taiwan

After nearly four years in the works, the 2010 Taipei International Flora Exposition opened this November 6th, 2010. The service administrators for the event realized the importance of a reliable information broadcasting system for event handling. After reviewing similar setups at the 2010 World Expo in Shanghai and other exhibitions, they proposed a network of digital signage displays to communicate premium services and information throughout the Flora expo. The plan called for an installation of fifteen units designed for interactive use around the "Pavilion of the Future".

Benefits

Advantech's professional skills and product offerings brought the following benefits to the Flora expo:
- Stable quality to satisfy large numbers of usage and different environments

- Standard design to simplify assembly with the exhibition service company's standalone kiosks
- Easy, all-in-one installation
- Stylish and slim design to fit the environment and attract visitors

Unleashing the Best in Interactive Signage for Exhibitions— with UTC-500 Self-service Terminals

Background

Location: Taipei, Taiwan

March 28th - 30th marked Advantech's 2011 World Partner Conference, an annual event designed to bring partners together to share strategies, discuss future directions, share product knowledge, and see products related to embedded design-in services and technologies. As usual the event was a huge success, gathering partners and visitors from around the world under one roof and allowing creative energies to flow. At many of the event booths, interactive displays needed to be set up to introduce product information. They needed to share timely information and grab the attention of passersby.

Benefits

The success of the UTC-500 series terminals was apparent by the positive feedback of the conference attendees.
In exhibitions, shows and other events, UTC-500 series systems provide the following benefits:
- Better promotion than a static display with eye-catching Flash and interactive content

- More sales and lead generation (WPC enjoyed a 12% increase compared to similar events with traditional marketing displays)
- Side groove design of the chassis allow for easy attachments, such as a holder for distribution of marketing brochures and pamphlets
- Flexible mounting options and a complement of stands to fit various booth designs.

Luxury Living - Home Automation at Your Fingertips

Introduction

Smart homes are becoming increasingly popular in luxury living. Residents enjoy the conveniences, and property owners and developers enjoy increased real estate values and differentiation. System integrators that are able to meet the demand for these systems are a step ahead of the competition. The Farglory Group, a major property development and construction company; Touchlife Technology, a renowned system solution provider; and Advantech teamed up to develop a home automation solution for a 400-unit luxury apartment complex in Linkou Township's affluent "U-City" residential community. As the system integrator, Touchlife was looking for a system that offered long-term support, reliability, and was easy to integrate with existing systems: surveillance, various sensors, IP cameras, emergency calling, lighting, dimmer, HVAC control, and others. They also wanted a product that could be customized to suit the decor of the building design, could be maintained in-residence, and came from a trusted solutions provider. For this they turned to Advantech.

Benefits

Collaboration in this project has resulted in a complete home automation system that adds value for everyone. Farglory Group is happy with the result, and has a plan to expand the installations into two projects in Taiwan, and another two in Shanghai. The major benefits of UBIQ-480 are:
• Quick deployment and easy installation for system integrator
• Onsite or remote access for system maintenance

• A trusted partner with Advantech's know how and support services. Customizable front bezel
• Power-over-Ethernet (POE) reduces wiring needs
• Adjustable mounting feet fit the dimensions of any wall opening
• Programmable function keys allow differentiation based on project need

Marketing "Magic" at the Window

Introction

The smartphone market in Taiwan is fiercely competitive as major vendors jockey for subscribers and buyers frequently change to newer and newer phones. Standing out in the marketplace is a major challenge for these vendors as they compete withone another, often with similar product portfolios. When Advantech proposed a storefront digital touch signage station to showcase Apple's new iPhone4, Taiwan Mobile saw this as an opportunity to boost sales by differentiating their retail outlets from those of the competition. They were interested in piloting the project in high volume locations with a lot of foot traffic. To be successful the solution had to interact with potential customers from outside the shop through the display glass, it had to use an industrial-grade system capable of round the clock operation, and it had to emulate an Apple iPhone4 Smartphone.

Benefits

Advantech's AiS group provided Taiwan Mobile with a unique and innovative solution to help them meet their advertising objectives. The benefits gained were:
• Differentiation in a highly competitive market
• A truly creative and flexible advertising platform

• A great interactive customer experience
• The ability to advertise and display information across a variety of mediums
• A single point-of-contact

Scenario Touch Computers

Model Name		UbiQ-481	UbiQ-480	UbiQ-480K	UbiQ-360	UbiQ-231
Processor		TI OMAP 3530 600 MHz	Freescale i.MX31 523 MHz	Freescale i.MX31 523 MHz	Freescale i.MX31 523 MHz	TI OMAP 3503 600 MHz
Memory	Size	256 MB/512MB (Optionl)	256 MB	256 MB	256 MB	256MB
	Module Type	Mobile DDR	Mobile DDR	Mobile DDR	Mobile DDR	Mobile DDR
OS Support		Windows CE 6.0	Windows CE 5.0	Windows CE 5.0	Windows CE 5.0	Windows CE 6.0
Display	Size/Type	11.6" TFT color LCD	7" TFT color LCD	7" TFT color LCD	7" TFT color LCD	4.3"TFT color LCD
	Max. Resolution	1366 x 768	800 x 480	800 x 480	800 x 480	480×272
	Brightness (cd/m²)	200 cd/m²	320 cd/m²	320 cd/m²	280 cd/m²	500cd/m²
	Viewing Angle	160/160	160/160	160/160	130/110	130/105
	Brightness Control	PWM	PWM	PWM	PWM	PWM
VGA	Chipset	CPU built-in	CPU built-in	CPU built-in	CPU built-in	CPU built-in
Storage / Type		iNAND 2 GB flash on board (eMMC) SD Slot (optional, up to 32 GB)	NAND 256 MB flash on board SD Slot (optional, up to 32 GB)	NAND 256 MB flash on board SD Slot (optional, up to 32 GB)	NAND 256 MB flash on board SD Slot (optional, up to 32 GB SDHC)	iNAND 2GB flash on board SD Slot (optional, up to 32 GB)
I/O Port	Rear I/O	USB 2.0 Host x2/Client x1, Line-in/out , RS-232 / RS-485 x1, Video-in connector, IR Receiver, 4 TTL level DI, 4 TTL level DO, USB 2.0 Client x1 (Embedded for connector type)	RS-232 x1, RS-485 x1, Video-in connector x1, USB2.0 Host x1, Line-in/out x1, 1 x 4 TTL level DI, 4 TTL level DO	RS-232 x1, RS-485 x1, Video-in connector x1, USB2.0 Host x1, Line-in/out x1, 1 x 4 TTL level DI, 4 TTL level DO	USB 2.0 Port x1 (Supports Host & Client)	RS-485 x1
	Front I/O	miniUSB 2.0 Host port x1	USB2.0 Host x1 (Below Cover)	USB2.0 Host x1 (Below Cover)	N/A	USB 2.0 Host x1/Client x1 (Below Cover)
Mechanical	Mounting type	Wall Mounting/VESA Standard	Wall Mounting/VESA Standard	Wall Mounting/VESA Standard	Portable/Cradle	Wall Mounting
	Dimensions (W x H x D)	324.05 x 214.05. x 37.8 mm	261.26 x 199.36 x 43.5 mm	261.26 x 199.36 x 43.5 mm	230.0 x 148.5 x 30.5mm	106.7 x 174.7 x 34.6 mm
Camera		2M Pixels CMOS camera	1.3M Pixels CMOS camera	N/A	N/A	N/A
Hot Key		Power x1/Emergency Hot Key x1	Six programmable function keys	N/A	Five programmable function keys	N/A
LED		5	6	6	3	2
RF wireless		IR receiver x 1	IR receiver x 1	IR receiver x 1	IR sender x 1, IR receiver x 1	IR receiver x 1
Network (LAN)		10/100 Mbps Ethernet (RJ-45) x 2	10/100 Mbps Ethernet (RJ-45) x 2	10/100 Mbps Ethernet (RJ-45) x 2	N/A	10/100 Mbps Ethernet (RJ-45) x 1
Audio	Chipset	Standard I2S audio codec with stepping amplifier control	WOLFSON_WM8750	WOLFSON_WM8750	WOLFSON_WM8750	N/A
	SPK / MIC	Speaker x2 output / Microphone x1 input	Speaker x1 output / Microphone x1 input	Speaker x1 output / Microphone x1 input	Speaker x1 output / Microphone x1 input	Speaker x1 output
Power	Output Rating	12~24 V$_{DC}$	12~24 V$_{DC}$	12~24 V$_{DC}$	19 V$_{DC}$	12~24 V$_{DC}$
	Input Voltage	100 ~ 240 V$_{AC}$	100 ~ 240 V$_{AC}$	100 ~ 240 V$_{AC}$	100 ~ 240 V$_{AC}$	100 ~ 240 V$_{AC}$
	Battery	N/A	N/A	N/A	Battery hard pack (3S1P, 3.7V, 2100 mAh)	N/A
Touch screen	Technology	Resistive(controller)	Resistive(controller)	Resistive(controller)	Resistive(controller)	Resistive(controller)
	Touch Life Cycle	10 million touches	10 million touches	10 million touches	10 million touches	10 million touches
Temperature	Operation	0 ~ 40° C	0 ~ 40° C	0 ~ 40° C	0 ~ 40° C	0 ~ 40° C
	Storage	-20° C ~ 60° C	-20° C ~ 60° C	-20° C ~ 60° C	-20° C ~ 60° C	-20° C ~ 60° C
Certifications		CE/FCC Class B, CCC, BSMI, UL	CE/FCC Class B, CCC, BSMI, UL	CE/FCC Class B, CCC, BSMI, UL	CE/FCC Class B, CCC, BSMI, UL	CE/FCC Class B, CCC, BSMI, UL
Options	WiFi	802.11 b/g	802.11 b/g	802.11 b/g	802.11 b/g	N/A
	PoE	Yes	N/A	Yes	N/A	TBD
	Cradle	N/A	N/A	N/A	Yes	N/A
	ZigBee	Yes	Yes	N/A	N/A	TBD
Wall Box		274.6 x 178.6x 80mm	251.2 x 183.62 x 120mm(80)	251.2 x 183.62 x 120mm(80)		101.8 x 133.22 x 52mm

Ordering Information

Model	P/N	Status
UbiQ-360	UbiQ-360-ENWCLE	UbiQ-360 W/T Cradle
	UBIQ-360-ENW0LE	UbiQ-360 W/O Cradle
	UBIQ-360-CRADLE	UbiQ-360 Cradle

Model	P/N	Status
UbiQ-480	UBIQ-480-ENSKLE	UbiQ-480K EN Version, W/O Hot key, W/T POE module
	UBIQ-480-ENSRLE	UbiQ-480K EN Version, W/O Hot key & W/O PoE
	UBIQ-480-ENW0LE	UbiQ-480 EN Version, Standard White Cover
	UBIQ-480-ENS0LE	UbiQ-480 EN Version, Silver Cover
	UBIQ-480-ENB0LE	UbiQ-480 EN Version, Black Cover
	UBIQ-480-ENWAWE	UbiQ-480 EN Version, W/T Adapter
	UBIQ-480-ENWPWE	UbiQ-480 EN Version, W/T PoE
	UBIQ-480-ENWCWE	UbiQ-480 EN Version, W/T Adapter & PoE
	UBIQ-480-BRACKETE	Bracket
	UBIQ-480-WALLBOXE	Wall Box
UbiQ-481	UBIQ481ENW0LE-ES	UbiQ-481 EN Version, Standard White Cover
	UBIQ481ENWCWE-ES	UbiQ-481 EN Version, W/T Adapter & PoE

Infotainment Touch Computers

Model Name		UTC-W101	HIT-W121	HIT-W151	HIT-W181	HIT-W221
Processor		10.1" Infotainment Touch Computer	11.6" Infotainment Touch Computer	15.6" Infotainment Touch Computer	18.5" Infotainment Touch Computer	21.5" Infotainment Touch Computer
System	CPU	Atom Z530 1.67GHz	Atom D510 Dual Core 1.67 GHz	Atom D510 Dual Core 1.67 GHz	Atom D525 Dual Core 1.8 GHz / SandyBridge i7 1.5 GHz	Atom D525 Dual Core 1.8 GHz / SandyBridge i7 1.5 GHz
	Chipset	Z530P + US15WP	D510 + ICH8M	D510 + ICH8M	D525 + ICH8M / 2610UE + U845E	D525 + ICH8M / 2610UE + U845E
	Memory	1 GB	1 GB (up to 2 GB)	1 GB (up to 2 GB)	DDR3 1 GB (up to 4 GB) - D525 DDR3 1 GB (up 16 GB) - i7	DDR3 1 GB (up to 4 GB) - D525 DDR3 1 GB (up 16 GB) - i7
	Storage	CF	CF or 2.5" HDD SATA	CF or 2.5" SATA HDD	CF or 2.5" SATA HDD	CF or 2.5" SATA HDD
	Camera	2 Megapixel (optional, by request)	2 Megapixel	2 Megapixel	2 Megapixel	2 Megapixel
Display	Size	10.1" (16:9)	11.6" (16:9)	15.6" (16:9)	18.5" (16:9)	21.5" (16:9)
	Max Resolution	1024 x 600	1366 x 768	1366 x 768	1366 x 768	1920 x 1080
	Brightness	200 cd/m^2	200 cd/m^2	300 cd/m^2	350 cd/m^2	250 cd/m^2
	Contrast Ratio	400:1	400:1	500:1	1000:1	5000:1
Touch screen	Type	Film Analog Resistive	Full-Flat Analog Resistive	Full-Flat Analog Resistive	Full-Flat Analog Resistive	Full-Flat Analog Resistive
	Light Transmission	80%	80%	80%	80%	80%
	Durability	36 million touches	30 million touches	30 million touches	30 million touches	30 million touches
I/O	USB	4 (Rear x 4)	3 (Side x 2, Rear x 1)	5 (rear x 4, side x 1)	3 (Down x 2, Rear x 1)	4 (Down x 2, Rear x 2) - D525 6 (Down x 2, Rear x 4) - i7
	COM Port	2	1 (Isolated)	2	1 (Isolated)	2 (Isolated)
	VGA	-	Optional (by request)	1	1 (Optional)	1
	GPIO	-	-	1	-	-
	Smart Card Reader	-	1	1 (Optional)	1	1
	RFID	-	1 (Optional)	1 (Optional)	1 (Optional)	1 (Optional)
	3-in-1 Card Reader	-	-	1	1	1
Network	LAN	2 (10/100/1000 Mbps)	1 (10/100/1000 Mbps)	2 (10/100/1000 Mbps)	1 (10/100/1000 Mbps)	2 (10/100/1000 Mbps)
	WLAN	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
Emergency Alarm	Hotkey	8	5 or 8 (2 types)	5 or 8 (2 types)	5 or 9 (2 types)	5 or 9 (2 types)
	Front I/O	LED Light Indicator	LED Light Indicator	LED Light Indicator	1 (3 colors)	1 (3 colors)
Expansion	Mini-PCIe	1	2	1	2	2
Mechanical	Dimensions (WxHxD)	258 x 199 x 38.3mm	302.5 x 220.25 x 43 mm	400 x 285 x 50.3 mm	460 x 328 x 48 mm	460 x 328 x 48 mm
	Weight	1.2 kg	2.3 kg	5 kg	6.5 kg	6.8 kg
IP Rating	Front Panel	IP65	IP65	IP65	IP65	IP65
	All Around	-	IPX1	-	IPX1	IPX1
Optional Accessories	MSR	-	Yes	Yes	Yes	Yes
	Barcode Scanner	-	Yes	Yes	Yes	Yes
	TV Tuner	-	Yes	-	Yes	Yes
	Handset Kit	-	Yes	-	Yes	Yes
	Remote Control	-	-	-	Yes (9 keys)	Yes (9 keys)
	Swing Arm	Yes	Yes	Yes	Yes	Yes
	Dual Touch	-	Yes	Yes	Yes	Yes

Ordering Information

UTC-W101

Part Number	Description
UTC-W101E-RE	10.1" Atom 1.6 GHz based fanless Ubiquitous Touch Computer with Resistive touchscreen, 1G RAM, 2G CF card
UTC-W101E-R1E	10.1" Atom 1.1 GHz based fanless Ubiquitous Touch Computer with Resistive touchscreen, 1G RAM, 2G CF card
UTC-W101E-R1XPE0E	UTC-W101E-R1E with XPE image
UTC-W101E-GE	10.1" Atom 1.6 GHz based fanless Ubiquitous Touch Computer w/o touchscreen, 1G RAM, 2G CF card
UTC-W101E-G1E	10.1" Atom 1.1 GHz based fanless Ubiquitous Touch Computer w/o touchscreen, 1G RAM, 2G CF card
2070009515	XPE for UTC-W101 V4.0 ENG/CHT/CHS/JPN
1757003202	AC ADAPTER DC19V/2.1A 40W FSP040-RA
1700001524	Power cord 3P UL 10A 125V 1.8M (US)
170203183C	Power cord 3P (WS-010+083) 183 cm (Europe)
1757000022	Medical Power Adapter +12VAC 45W, MPU50-105
1702002600	Power cord 3P UL/CSA(USA) 125V 10A 1.83M 180D (For Medical Adapter)
1702002605	Power cord 2P FRANCE 10A/16A 220V 1.83M 90D (For Medical Adapter)
989KW10100E	UTC-W101E Stand Module
UTC-W101-WLE	UTC-W101E Internal Wireless LAN module

HIT-W121

Part Number	Description
HIT-W121-AST0E	11.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ Bare BOM & ITE Adapter
HIT-W121-AST1E	11.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ Full Config & ITE Adapter
HIT-W121-AIS0E	11.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ Bare BOM & ITE Adapter
HIT-W121-AIS1E	11.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ Full Config & ITE Adapter
HIT-W121-AWM0E	11.6" W Full-Flat Atom D510 Healthcare Terminal in Polished White, w/ Bare BOM & Medical Adapter
HIT-W121-AWM1E	11.6" W Full-Flat Atom D510 Healthcare Terminal in Polished White, w/ Full Config & Medical Adapter
HIT-W121-ABM0E	11.6" W Full-Flat Atom D510 Healthcare Terminal in Matte Black, w/ Bare BOM & Medical Adapter
HIT-W121-ABM1E	11.6" W Full-Flat Atom D510 Healthcare Terminal in Matte Black, w/ Full Config & Medical Adapter

HIT-W151

Part Number	Description
HIT-W151-AST0E	15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ 5 touch buttons, Bare BOM & ITE Adapter
HIT-W151-AST1E	15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ 5 Full Config, Bare BOM & ITE Adapter
HIT-W151-AIS0E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 8 touch buttons, Bare BOM & ITE Adapter
HIT-W151-AIS1E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 8 touch buttons, Full Config & ITE Adapter
HIT-W151-AWM0E	15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ 5 touch buttons, Bare BOM & Medical Adapter
HIT-W151-AWM1E	15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ 5 touch buttons, Full Config & Medical Adapter
HIT-W151-ABM0E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 5 touch buttons, Bare BOM & Medical Adapter
HIT-W151-ABM1E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 5 touch buttons, Full Config & Medical Adapter"

HIT-W181/182

Part Number	Description
HIT-W181-AST0E	Atom D525 processor (Dual Core), Smart Card Reader, Lan, COM port
HIT-W181-AST1E	HIT-W181-AS0TE (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W181-AMW1E	HIT-W181-AST0E (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
HIT-W182-AST0E	SandyBridge i7 processor ,Smart Card Reader, Lan, COM port
HIT-W182-AST1E	HIT-W182-AST0E (i7) +1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W182-AMW1E	HIT-W182-AST0E (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter

HIT-W221/222

Part Number	Description
HIT-W221-AST0E	Atom D525 processor (Dual Core), Smart Card Reader, Lan, COM port
HIT-W221-AST1E	HIT-W221-AST0E (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W221-AMW1E	HIT-W221-AST0E (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W222-AST0E	SandyBridge i7 processor, Smart Card Reader, Lan, COM port
HIT-W222-AST1E	HIT-W222-AST0E (i7) +1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W222-AMW1E	HIT-W222-AST0E (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter

HIT-W121/151 Accessories

Part Number	Description
HIT-W121-HSKE	Handset Kit for HIT-W121
HIT-W121-MSR0E	HIT series standard accessory: MSR Add-on Module
HIT-W151-MSR0E	HIT series standard accessory: MSR Add-on Module
HITKITS-UST0E	HIT series standard accessory: US ATSC/NTSC Hybrid Tuner
HITKITS-EUT0E	HIT series standard accessory: EU DVB-T Analog/Digital Hybrid Tuner
HITKITS-TSD0E	HIT series standard accessory: Table Stand Kit

HIT-W181/182 Accessories

Part Number	Description
HIT-W181-HSK0E	Handset Kit for HIT-W121
HTI-W181-RCK0E	HIT series standard accessory: MSR Add-on Module
HIT-W181-EUT0E	HIT series standard accessory: US ATSC/NTSC Hybrid Tuner
HIT-W181-UST0E	HIT series standard accessory: EU DVB-T Analog/Digital Hybrid Tuner
HIT-W181-MSR0E	HIT series standard accessory: Table Stand Kit
PIT-ARM-WM0E	UTC-W101E Internal Wireless LAN module
PIT-ARM-WM1E	HIT series standard accessory: Table Stand Kit

HIT-W221 /222 Accessories

Part Number	Description
HIT-W221-HSK0E	HIT-W221 Handset Kit
HTI-W221-RCK0E	HIT-W221 Remote Control (9 keys)
HIT-W221-EUT0E	HIT-W221 TV Tuner (EU: DVBT+Analog, Hybrid)
HIT-W221-UST0E	HIT-W221 TV Tuner (US: ATSC+Analog, Hybrid)
HIT-W221-MSR0E	HIT-W221 MSR(Magnetic Card Reader)
PIT-ARM-WM0E	PIT Series Swing Arm (Wall Mount, 1~6 KG)
PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6~12 KG)

Self-service Touch Computers

Model Name		UTC-515	UTC-520	UTC-521 (Coming Soon)
Processor		15.6" Ubiquitous Touch Computer	21.5" Ubiquitous Touch Computer	21.5" Ubiquitous Touch Computer
System	CPU	Atom D525 Dual Core 1.8 GHz	Atom D510 Dual Core 1.6 GHz	AMD G series (T40E 1.6GHz) / MIO-5270 Intel Cedar Trai (D2700) / MIO-5250
	Chipset	D525 + ICH8M	D510 + ICH8M	T40E 1.6GHz +A50M / D2700+ NM10
	Memory	DDR3 2 GB (up to 2G) - D525	DDR3 1 GB (up to 4G) - D525	DDR3 1 GB (up 8G) - T40E DDR3 1 GB (up to 4G) - D525
	Storage	CF or 2.5" SATA HDD	CF or 2.5" SATA HDD	CF or 2.5" SATA HDD
Display	Size	15.6" (16:9)	21.5" (16:9)	21.5" (16:9)
	Max Resolution	1366 x 768	1366 x 768	1920 x 1080
	Brightness	300 cd/m^2	400 cd/m^2	250 cd/m^2
	Contrast Ratio	500:1	5000:1	5000:1
Touchscreen	Type	Full-Flat Analog Resistive	Full-Flat Analog Resistive / Projected Capacitive	Full-Flat Analog Resistive / Projected Capacitive
	Light Transmission	80%	80% / 90%	80% / 90%
	Durability	36 million touches	36 million touches	36 million touches
I/O	USB	2	2	4
	COM Port	1 (Optional 3 comports)	1 (Optional 3 comports)	2
	VGA	1	1	1
	GPIO / HDMI			1 (Optional)
Network	LAN	2 (10/100/1000 Mbps)	2 (10/100/1000 Mbps)	2 (10/100/1000 Mbps)
	WLAN	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
Audio	Speaker	1W x 2	3W x 2	3W x 2
	1 x Audio Line-out	1 (Optional)	1 (Optional)	1
Expansion kit	Mini-PCIe	1	1	1
Mechanical	Dimensions (WxHxD)	384.6 (L) x 236.5 (H) x40(D)mm	516 (L) x 312.5(H) x 40(D) mm	516 (L) x 312.5(H) x 60(D) mm
	Weight	5 kg	6 kg	6 kg
Certifcation	CE/FCC/UL/ CCC/BSMI	Yes	Yes	Yes
IP Rating	Front Panel	IP54	IP54	IP54
Optional Accessories	TV Tuner	Yes	Yes	Yes
	Stands	Yes	Yes(UTC-R01/UTC-K01/UTC-K02)	Yes(UTC-R01/UTC-K01/UTC-K02)
	Swing Arm	Yes	Yes	Yes
	Dual Touch	Yes (PCT)	Yes (PCT)	Yes (PCT)

Ordering Information

Product Model	Product Description
UTC-515	
UTC-515-RE	15.6" Atom D525 Based fanless UTC with resistive touchscreen 2GB RAM
UTC-515-RXPE0E	UTC-515-RE with 2G Memory/160GHDD/XPE
UTC-515-R2E	5.6 Atom D525 Based Fanless UTC with resistive touchscreen 2GB/160G HDD
1702002605	Power cord 2P FRANCE 10A/16A 220V 1.83M 90D
1702002600	Power cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1700000596	Power cord (China) CCC,10A 250V, 3P 1830mm

Product Model	Product Description
UTC-520	
UTC-520-RE	21.5" Atom D510 Based fanless UTC with resistive touchscreen 1 GB RAM
UTC-520-RXPE0E	UTC-520-RE with 2 GB Memory/160 GHDD/XPE
UTC-520-R2E	21.5 Atom D510 Based Fanless UTC with resistive touchscreen 2GB/160G HDD
1702002605	Power cord 2P FRANCE 10A/16A 220V 1.83M 90D
1702002600	Power cord 3P UL/CSA(USA) 125V 10A, 1.83M 180D
1700000596	Power cord (China) CCC,10A 250V, 3P 1830mm

Product Model	Product Description
UTC-521	
UTC-521-5270-R0E	21.5" AMD T40E Based fanless UTC with resistive touchscreen 2 GB RAM
UTC-521-5270-C0E	21.5" AMD T40E Based fanless UTC with PCT touchscreen 2 GB RAM
UTC-521-5250-R0E	21.5" ATOM D2700 Based fanless UTC with resistive touchscreen 2 GB RAM
UTC-521-5250-C0E	21.5" ATOM D2700 Based fanless UTC with PCT touchscreen 2 GB RAM

Peripherals

UTC-P01-AE
2M Camera Module
• Auto focusing on 40-80 cm
• Video format:
  YUY2, MJPEG
• USB connection to UTC

UTC-P02-A0E
Magnetic Stripe Card Reader
• Card standard:
  ANSI, ISO, ABA
• Read speed: 1-60 ips
• Head life: 1,000,000 times
• USB connection to UTC
• RS-232 optional

UTC-P03-AE0E
NFC/RFID Module
• 13.56 MHz frenquency
• Read mode:
  ISO 15693 / 14443A / B /
  18000-3 / Felica
• Reading range: 3 +/- 1cm

UTC-P06-A0E
Smart Card Reader Module
• User card friction type
  (ID-1), 200,000 cycles
• SAM card: 5000 insertion
• Compliant CPU card and
  memory card

UTC-P07-A0E
Barcode Module
• 2D mode scan rate:
  56 images
• Linear emulation scan rate:
  200 images/second
• Optical resolution:
  752x480 pixels,
  256 gray levels

UTC-P21-A0E
RFID + Barcode Scanner + Smart Card Reader + MSR (4 I/O in Module Kit)
• Dimensions:
  300 x 35 x 40 mm
• USB connection to UTC