

Advantech Panel Mount Terminal

Superior Design with Multiple Extendible Features

- ✓ Factory HMI Controller
- ✓ Public Service Kiosk
- ✓ Mobile Workstation
- ✓ Retail Interactive Signage
- ✓ Machine Automation
- ✓ Manufacture Process Terminal



4 KG

ADVANTECH

Enabling an Intelligent Planet



www.advantech.com

Versatile Computing Terminals with Instant Panel Mounts



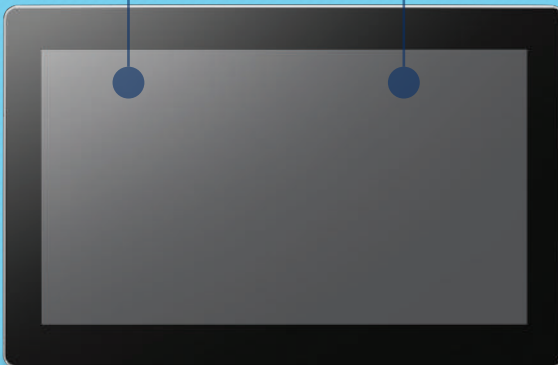
► Front



Full-Flat Screen



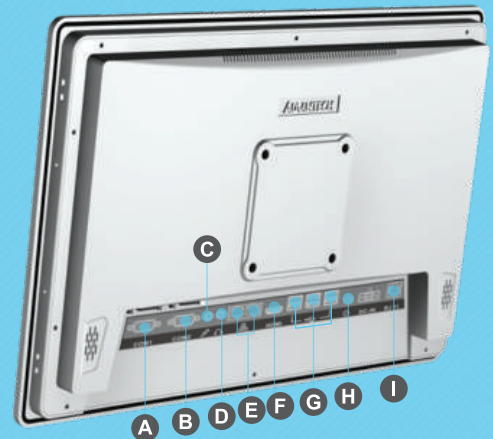
Front IP65 Liquid / Dust / Chemical Resistance



- Built-in Bay Trail J1900, Android Ready
- Fanless design support quiet operation
- Low power consumption with Long-lasting battery
- Landscape and Portrait screen mode for different applications
- Removable frame design for various mounting request
- Light weight 4 kg only

► Back

Well Recessed Cable Routing



► Side



Peripherals Notch



(With Cover)

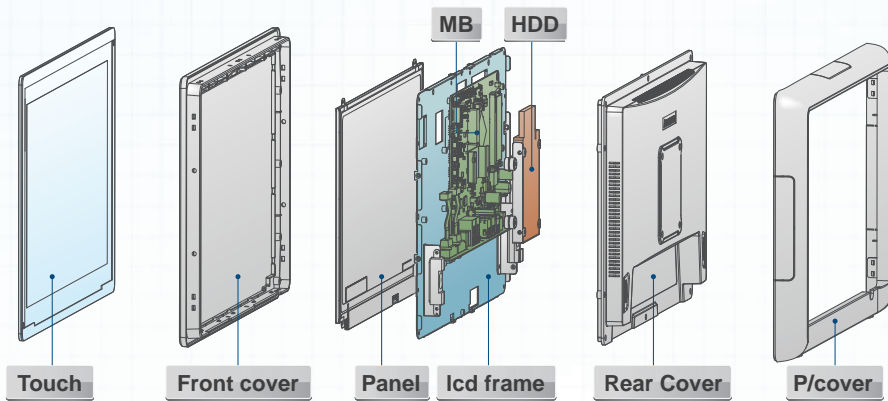
(Without Cover)

- | | | |
|-------------------|------------------------|----------------------------------|
| A Cam1 | D Mic in | G USB 2.0 X5 / USB 3.0 X1 |
| B Cam2 | E LAN ports x 2 | H Power Button |
| C Line-out | F HDMI | I DC Input (12 Voc.) |

Thinner Terminal with Wider Expandability



Product Description



Peripherals

UTC-P01-A1E

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
- ▶ IPSHead life: 1,000,000 times
- ▶ USB connection to UTC
- ▶ RS-232 optional



UTC-P03-A0E

NFC/RFID Module

- ▶ 13.56 MHz frequency
- ▶ Read mode: ISO 15693 / 14443A / B / 18000-3 / Felica
- ▶ Reading range: 3 +/- 1 cm



UTC-P06-A0E

Smart Card Reader Module

- ▶ User card friction type (ID-1), 200,000 cycles
- ▶ SAM card: 5000 insertions
- ▶ Compliant CPU card and memory card



Slimmer than ever !

UTC-300 AIO Terminals Designed for Flexible Installations and Applications



Retail

- ▶ In store information
- ▶ Self-service
- ▶ Promotion Registration
- ▶ Price Checking
- ▶ Self Check-out
- ▶ Endless Aisle



Public Service

- ▶ Way Finding
- ▶ Ticketing
- ▶ Route Searching
- ▶ Self-Service Kiosk
- ▶ Interactive Multi-Media Station



Restaurant Smarter Queuing and Digital Menu

- ▶ Digital menu display
- ▶ Ingredients checking
- ▶ Calling and queuing alarm
- ▶ Kitchen preparation live broadcast
- ▶ Restaurant intelligent POS
- ▶ Self Order



Mobile Work Station

- ▶ Employee check-in/out
- ▶ Ensure Data Accuracy
- ▶ Enhance workflow



Equipment

- ▶ Central Control System
- ▶ Plant Controller
- ▶ Security monitoring system



Industrial

- ▶ MES (Manufacturing Execution System)
- ▶ Embedded device controller
- ▶ Production line signage board

UTC-300 Series

Specifications

| UTC-300 Series | UTC-315 | UTC-318 |
|----------------|---------|---------|
|----------------|---------|---------|



| | UTC-315 | | UTC-318 | | |
|------------------------------|---------------------------------|--|---------------------------------|--|--------------------------------|
| | 15.6" Ubiquitous Touch Computer | | 18.5" Ubiquitous Touch Computer | | |
| Processor System | Model Name | UTC-315 | | UTC-318 | |
| | Description | 15.6" Ubiquitous Touch Computer | | 18.5" Ubiquitous Touch Computer | |
| | Model | UTC-315D | UTC-315E | UTC-318D | UTC-318E |
| | CPU | Intel BayTrail J1900 | Intel Haswell Core i5-4590T | Intel BayTrail J1900 | Intel Haswell Core i5-4590T |
| | Basic Frequency | 2.0 GHz (Quad-Core) | 2.0 GHz (Quad-Core) | 2.0 GHz (Quad-Core) | 2.0 GHz (Quad-Core) |
| | Smart Cache | 2M | 6M | 2M | 6M |
| | Chipset | NA | Intel QM87 | NA | Intel QM87 |
| | Graphic Processor | Intel HD Graphic | Intel HD Graphic 4600 | Intel HD Graphic | Intel HD Graphic 4600 |
| | Graphic Frequency | 688-854MHz | 350-1150MHz | 688-854MHz | 350-1150MHz |
| | Memory | 1x SO-DIMM DDR3L-1333 up to 8GB | 1x SO-DIMM DDR3-1600 up to 8GB | 1x SO-DIMM DDR3L-1333 up to 8GB | 1x SO-DIMM DDR3-1600 up to 8GB |
| | HDD | 1 x 2.5 internal SATA HDD bay | | 1 x 2.5 internal SATA HDD bay | |
| | Network | 2 x Gigabit Ethernet ports (RJ-45) | | 2 x Gigabit Ethernet ports (RJ-45) | |
| | | 1 x RS-232 COM , 1 x RS-232 / 422 / 485 | | 1 x RS-232 COM , 1 x RS-232 / 422 / 485 | |
| | IO ports | 5 x USB 2.0 / 1 x USB 3.0 | | 5 x USB 2.0 / 1 x USB 3.0 | |
| 2 x Gigabit Ethernet (RJ-45) | | 2 x Gigabit Ethernet (RJ-45) | | | |
| 1 x HDMI | | 1 x HDMI | | | |
| Stereo Speaker | Audio Line-out x 1, Mic-in x 1 | | Audio Line-out x 1, Mic-in x 1 | | |
| | RJ-11 (option) | | RJ-11 (option) | | |
| BUS expansion | 1W x 2 | | 1W x 2 | | |
| BUS expansion | Full-size MiniPCIe/mSATA | | Full-size MiniPCIe/mSATA | | |
| Mounting | VESA 75 x 75 | | VESA 100 x 100 | | |
| Dimension(WxHxD) | 402 x 260 x 39.7 mm | | 475 x 295 x 43.5 mm | | |
| Weight | < 4 kg (8.8 lb) | | < 5 kg (13.4 lb) | | |
| OS support | Windows Embedded Standard 7 | | Windows Embedded Standard 7 | | |
| | Windows Embedded Standard 8 | | Windows Embedded Standard 8 | | |
| | Embedded Linux 3.0 | | Embedded Linux 3.0 | | |
| Environmental Specifications | Operating Temperature | 0 ~ 40° C (32 ~ 104° F) | | 0 ~ 40° C (32 ~ 104° F) | |
| | Relative Humidity | 10 ~ 95% @ 40° C non-condensing | | 10 ~ 95% @ 40° C non-condensing | |
| | Vibration | 0.5G | | 0.5G | |
| | Shock | 10 G peak acceleration (11 msec. duration) | | 10 G peak acceleration (11 msec. duration) | |
| | EMC/ Safety | CE, FCC, UL, CCC CB,BSMI | | CE, FCC, UL, CCC CB,BSMI | |
| | Front Panel Protection | IP65/ NEMA4 Compliant | | IP65/ NEMA4 Compliant | |
| Power Supply | Input Rating | 12 V/7 A (84W ITE Adapter) | | 12 V/7 A (84W ITE Adapter) | |
| | Power consumption | Typical 32W / Max. 70W | | Typical 32W / Max. 70W | |
| LCD Display | Size | 15.6" TFT LCD | | 18.5" TFT LCD | |
| | Max Resolution | 1366 x 768 | | 1366 x 768 | |
| | Max Color | 262K | | 262K | |
| | Pixel Pitch (um) | 252 (H) x 252 (V) | | 252 (H) x 252 (V) | |
| | Brightness (cd/m2) | 200 (Typical) | | 200 (Typical) | |
| | View Angle | 90° / 60° | | 90° / 60° | |
| Touch Screen | Type | Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) | | Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) | |
| | Light Transmission | Res. Touch : 80% ± 5% / P-Cap Touch : 90% ± 2% | | Res. Touch : 80% ± 5% / P-Cap Touch : 90% ± 2% | |
| | Controller | COM interface / USB interface | | COM interface / USB interface | |

Solid, Steady, and Secure



Industrial-grade products
at competitive cost



ISO-certified products



Global logistics and
customer services with
local support



Product longevity up to
3-5 years, and superior
warranty service options



Leadership & Partnership

Regional Service & Customization Centers

| | | | | |
|--|---|--|---|---|
| China Kunshan 86-512-5777-5666 | Taiwan Taipei 886-2-2792-7818 | Netherlands Eindhoven 31-40-267-7000 | Poland Warsaw 48-22-33-23-730 | USA 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 |
| | 60-4-397-4188 |
| Thailand | |
| Bangkok | 66-2-248-3140 |
| India | |
| Toll Free | 1800-425-5071 |
| Bangalore | 91-80-2545-0206 |
| Indonesia | |
| Jakarta | 62-21-751-1939 |
| Australia | |
| Toll Free | 1300-308-531 |
| Melbourne | 61-3-9797-0100 |
| Sydney | 61-2-9477-2521 |

Europe

| | |
|------------------------------|-----------------------|
| Toll Free | 00800-2426-8080 |
| Germany | |
| Munich | 49-89-12599-0 |
| Hilden | 49-2103-97-885 -0 |
| France | |
| Paris | 33-1-4119-4666 |
| Italy | |
| Milano | 39-02-9544-961 |
| Benelux & Nordics | |
| Breda | 31-76-5233-100 |
| Roosendaal | 31-165-550-505 |
| UK | |
| Reading | 44-0118-929-4540 |
| Poland | |
| Warsaw | 48-22-33-23-740 / 741 |
| Russia | |
| Toll Free | 8-800-555-01-50 |
| Moscow | 7-495-232-1692 |

Americas

| | |
|----------------------|-----------------|
| North America | |
| Toll Free | 1-888-576-9668 |
| Cincinnati | 1-513-742-8895 |
| Milpitas | 1-408-519-3898 |
| Irvine | 1-949-420-2500 |
| Brazil | |
| Toll Free | 0800-770-5355 |
| Saude-São Paulo | 55-11-5592-5355 |

ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Please verify specifications before ordering. This guide is intended for reference purposes only. All product specifications are subject to change without notice. No part of this publication may be reproduced in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission of the publisher. All brand and product names are trademarks or registered trademarks of their respective companies. © Advantech Co., Ltd. 2014

8600000177