USC Series Point-of-Service Computers
All-in-One Solutions for Retail and Hospitality Applications

Point-of-Sale Systems
Desktop Self-Service Kiosks
Touch Monitors

ADVANTECH
Enabling an Intelligent Planet

DeviceOn/iService www.advantech.com
**ARM-Based POS Systems**

**USC-130/160**

All-in-One Service Computer

- ARM® quad-core Cortex™-A17/Cortex™-A53/dual-core Cortex™-A72
- Android 8.1/10, Linux operating system
- 16:9 widescreen with PCAP touch control
- Optional peripherals (MSR reader, iButton, and barcode scanner)
- IP65-rated front panel protects against water and dust
- Supports panel, wall, and VESA (75 x 75) mounting

**X86-Based POS Systems**

**UPOS-211**

Compact All-in-One Computer with Dual-Hinge Stand

- Dual-hinge stand with 90-degree tilt flexibility
- Can be integrated with a secondary display (10.1”/11.6”/15.6” VFD monitor)
- Multiple I/O and optional peripherals

**USC-250**

Slim All-in-One Computer with Avalo Stand

- Avalo stand for flexible installation
- Ultra-slim, fanless design
- Can be integrated with a secondary display (10.1”/11.6”/15.6” VFD monitor)
- Multiple I/O and optional peripherals
## Optional Accessories and Peripherals

### Touch Monitors

**USC-M3/M6**

16:9 Widescreen Touch Monitor
- Built-in speaker, RFID, and camera (optional)
- Ultra-slim (12 mm), bezel-free panel with PCAP touch control
- IP65-rated protection from water and dust
- Reserved side hatch for optional peripherals
- Supports wall, panel, and VESA (75x75) mounting

**UPOS-M15**

4:3 Touch Monitor
- Built-in speaker
- Bezel-free panel with PCAP touch control
- IP65-rated protection from water and dust
- Reserved side hatch for optional peripherals
- Supports VESA (75x75) mounting

### Peripherals

- MSR
- MSR + iButton
- MSR + RFID reader
- MSR + IC card reader
- MSR + fingerprint scanner
- Barcode scanner
- Thermal printer

### Stands

- Avalo stand
- Dual-hinge stand
- Single stand
- Kangaroo
Build Your Own UTK- UTK-3000 Series

▶ Step 1. Select the kiosk form factor
   a. All-in-one touch computer (USC series)
   b. Two-piece system (touch monitor + USM box PC)

▶ Step 2. Configure accessories and peripherals
   a. Printer, barcode scanner, LED status indicator bar and more
   b. Your own modules

▶ Step 3. Customize the appearance
   a. Color
   b. Logo

Application Scenarios

UTK-3000 Series is a customizable, modular, all-in-one (AIO) kiosk aimed at a wide range of self-service applications. The modular design allows the AIO computer, box PC, and monitor size to be easily customized according to specific usage requirements.

Convenience stores
UTK-3715
4:3 15” touch monitor

Restaurants
UTK-3815
16:9 15.6” touch monitor

Supermarkets
UTK-3924
16:9 23.8” touch monitor
**DeviceOn/iService Remote Management Software**

**DeviceOn Client**
- POS/KDS USC series
- Store Computers USM/UBX series
- Self-Service Kiosks UTK-3000 Series

**DeviceOn Server**
- Supports both public and private clouds
- Public Cloud
  - Azure
  - C3
  - Amazon
- Private Cloud
  - Local Server

**Users**
- Store manager
- IT department
- Service provider

**24/7 Remote Management of Valuable Assets**

**Hardware**
- Status monitoring
  - Hardware status
    - CPU, memory, storage
- Remote controls
  - Reboot
  - Snapshot
  - Remote desktop

**Software**
- Status monitoring
  - Software watchlist
- Remote controls
  - Start software
  - Stop software

**Peripherals**
- Status monitoring
  - LED status indicator bar
    - Connected/disconnected
- Printer
  - Connected/disconnected
  - Paper running low
- Payment module
  - Connected/disconnected
- Barcode scanner
  - Connected/disconnected
- Customized integration
  - Third-party devices/peripherals
  - Advanced functions

**Store Computers**
- Store A
- Store B
- Store C

**DeviceOn Server**
- Internet/Intranet
- Internet/Intranet

**DeviceOn Client**
- Internet/Intranet

**Supports both public and private clouds**
# Product Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ARM</th>
<th>X86</th>
<th>ARM</th>
<th>X86</th>
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</thead>
<tbody>
<tr>
<td>USC-130</td>
<td>USC-160</td>
<td>USC-250</td>
<td>USC-211</td>
<td></td>
</tr>
</tbody>
</table>

**System**
- **Processor**: ARM® quad-core Cortex™-A7/ Cortex®-A53/dual-core Cortex™-A72
- **Operating System**: Android 8.1/10, Linux
- **Storage**: 1 x onboard eMMC, 16GB (up to 64 GB), 1 x micro SD
- **Display**: 11.6" TFT LCD (1366 x 768), 15.6" TFT LCD (1366 x 768), 15.6" TFT HD LCD (1920 x 1080)
- **Brightness**: HD: 250 cd/m², FHD: 350 cd/m², HD: 220 cd/m², FHD: 350 cd/m²
- **Touchscreen**: Projected capacitive (PCAP) or Projected capacitive (PCAP)/resistive

**External I/O**
- **COM**: 1 x COM (RS-232/485) with an optional second COM that supports RS-232 only
- **USB**: 2 x USB 2.0 (up to 6 max.), 1 x USB OTG
- **Ethernet**: 1 x RJ45 (optional PoE)
- **Audio**: 1 x Line-out, 1 x mic-in
- **Speaker**: 1 x 2W speaker

**Optional Modules and Accessories**
- **Display**: 11.6" TFT LCD (Avalo stand), 15.6" TFT LCD (Avalo stand)
- **Peripherals**: External: MSR, iButton, 1D/2D barcode scanner, Embedded: RFID reader, camera
- **Stands**: Avalo, dual hinge, single, Kangaroo

<table>
<thead>
<tr>
<th>Model</th>
<th>UPOS-M15</th>
<th>USC-M3</th>
<th>USC-M6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>15&quot; TFT LCD with LED backlight</td>
<td>11.6&quot; TFT LCD with LED backlight</td>
<td>15.6&quot; TFT LCD (16:9)</td>
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<tr>
<td>Resolution</td>
<td>1024 x 768</td>
<td>HD: 1366 x 768, FHD: 1920 x 1080</td>
<td>HD: 1366 x 768, FHD: 1920 x 1080</td>
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<tr>
<td>Brightness</td>
<td>300 cd/m²</td>
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</tbody>
</table>

**External I/O**
- **Video Input**: 1 x VGA (D-sub 15), 1 x HDMI (optional)
- **Audio Input**: 3.5-mm jack
- **USB**: for touch panel
- **DC-In**: 12V power jack
- **Control Buttons**: Power on/off, Menu, Up, Down
- **Speaker**: 2 x 2W
- **Mount Options**: VESA (75 x 75 mm/2.95 x 2.95 in)
- **Hatch**: Right/rear hatch-reserved mounting for optional modules
- **Adapter**: 12V 25W

**Optional Modules and Peripherals**
- **Side-Mounted**: MSR, Embedded: MSR, iButton, camera, Embedded: RFID reader