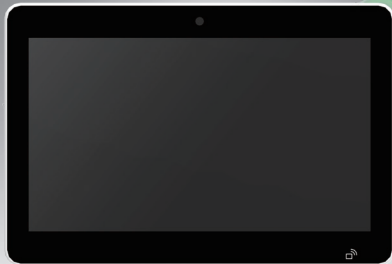


HIT-312

Innovative 11.6" Healthcare Information Terminal



DeviceOn/Service

Features

- Innovative and ultra-slim design for healthcare and hospitality applications
- All-in-one computer with Rockchip RK3399
- IP65 rated front panel, IPX3 for Whole system
- Supports M.2 2230 Wi-Fi / BT modules
- Supports RFID/NFC, Web Camera, LED indicator and POE
- USB Type-C interface as the future with I/O expansion modules
- Supports 100x100mm VESA mount
- Medical certification
- Support Android operating system



Introduction

The HIT-312 is a 11.6-inch all-in-one medical infotainment terminal. It utilizes the Rockchip RK3399 processor and supports the Android operating system. The thin and light ID design meets customers' needs for easy installation, fast wiring and low power consumption. Creative design, I/O expansion modules are available to meet a variety of user scenarios and are available in all-in-one or separate kits. Expand customer applications from hospital applications to healthcare applications. Adopt the USB Type C technology trend and centralize USB Type C ports in the main system for a truly slim design. Expand I/O, functionality, and battery backup modules with multiple configurations for flexible installations.

Specifications

| | | |
|--------------|------------------------|--|
| Hardware | CPU | Rockchip RK3399 |
| | Memory | DDR4 x 1, 4GB |
| | Primary Storage (eMMC) | 32G eMMC (max 128G by customization) |
| | Camera | 2MP CMOS |
| Display | Size | 11.6" W TFT LED |
| | Max Resolution | 1920 x 1080 |
| | Luminance | 300 cd/m2 |
| | Contrast Ratio | 1000:1 |
| Touchscreen | Type | Projected Capacitive |
| Power Button | Power Button | 1 |
| I/O Ports | USB 2.0 | 2 |
| | DC-in w/ lock | 1 |
| Audio | Speaker | 2 Watt x 2 |
| | Internal Microphone | 1 (bottom side) |
| Network | LAN | RJ45 (10/100/1000 Mbit) x 1 (Option: PoE) |
| | Bluetooth | BT 5.2 (Default Module) |
| | WLAN | 802.11 a/b/g/n/ac/ax (Default Module) |
| Software | OS | Android 10, 14(TBD), Linux (by project base) |
| Mechanical | Mounting | VESA 100 x 100 mm |
| | Dimensions (W x H x D) | 294.4 x 198.3 x 24.2(27.0) mm |
| | Weight | Net Weight (w/o adapter): 2.2lb, 1.2kg Weight: 2kg |
| Optional | Camera | Optional (Embedded module) 2M Module |
| | RFID/NFC | Optional (Embedded module) |
| | PoE | Optional (Embedded module) |
| | Back-up Battery | Optional (Embedded module) Bat 4600 mAh by T-PN |
| Power Supply | AC/DC Adapter | Medical Grade |
| | Output Voltage | Medical: Type C 65W in |
| Environment | Operating Temperature | 0 ~ 35 °C |
| | IP Rating | IP65 rated front panel IPX3 for whole system (IO down-side) |
| | Vibration | 1G |
| | Shock | 10G Peak Acceleration (11ms duration) |
| | EMC & Safety Cert. | CE, FCC, CCC, IEC/EN 60601-1/-1-2, UL 60601-1, MDR |

DeviceOn/iService Specifications

| | | |
|--|---|------------|
| DeviceOn/iService Remote Device Management | Operating System | Android |
| | Common Controls (Reboot, Shutdown) | ✓ |
| | Remote desktop | ✓(VNC) |
| | Device-Specific Controls (Audio, Backlight) | ✓* |
| | Connection Status | ✓ |
| | Hardware Status | ✓* |
| | Hard Disk Status | |
| | Batch Operation Support | ✓ |
| | OTA Storage Management | Local blob |
| | OTA Software Updates | ✓ |
| | Software Watchlist | ✓ |
| | Software Start/Stop | ✓ |
| | Kiosk Mode | ✓* |
| | Peripherals Watchlist | ✓* |

*Dependant on device model

Note: DeviceOn/iService software must be downloaded from the Advantech website at <https://www.advantech.com/search?q=DeviceOn%2FiService&st=support&ssl=Utility>



Ordering Information

| Part Number | Description |
|-------------------|--|
| HIT-312-13F21D-CM | 11.6", RK3399, 32G/4G, CAM, WIFI/BT, RFID, Android |
| HIT-312-13F21B-CM | 11.6", RK3399, 32G/4G, Bare, Android |
| HIT-312-23F21D-CM | 11.6", RK3399, 32G/4G, CAM, WIFI/BT, RFID, A, POE |

Power Cord

| Region | Part Number (DC Model) |
|-----------------------------|------------------------|
| USA (Thailand, Philippines) | 1702002600 |
| Europe (Indonesia) | 1702002605 |
| UK (Singapore, Malaysia) | 1700018704 |
| Japan (PSE) | 1700000237 |

Fully- Integrated I/O



- A. Option: LAN (Option: PoE)
- B. Type-C(USB 3.0).
- C. Micro USB(USB 2.0)
- D. USB 2.0 x2
- E. Power buttons

Peripherals for HIT-312 Series

| Part Number | Description |
|--------------------|----------------|
| ARES-12250-L101000 | Wall mount |
| ARES-2424X-S170200 | Table stand |
| ARES-2425X-S271000 | |
| ARES-7621C | Long reach arm |
| ARES-7321I | |
| ARES-7221A | |

DeviceOn/iService

Unified Remote Device Management Software



Features

- Supports Advantech devices equipped with Windows, Android, and Linux OS
- Flexible device, location, user, and permissions management
- Enables remote monitoring and control of hardware, software, and peripherals
- Supports over-the-air (OTA) firmware and software updates
- Ensures quick, easy, and secure device onboarding
- RESTful APIs for third-party system integration

Introduction

Advantech's DeviceOn/iService is a next-generation unified device management solution based on the WISE-DeviceOn platform. Designed to enable centralized monitoring and remote management, DeviceOn/iService supports Advantech devices equipped with Windows, Linux, or Android operating systems. The software also supports the management of applications and integrated peripherals, such as a barcode scanner, card reader, camera, and printer. Users can remotely access and control connected devices, take screenshots, rollout OTA upgrades, and use remote desktop capabilities for troubleshooting from any location at any time. Moreover, DeviceOn/iService supports batch operations to facilitate the management of multiple devices simultaneously for easy and convenient device configuration and deployment.

Total Management

- Devices & Hardware**
 - Windows, Linux, Android
 - Hardware, storage, battery
- Software & Peripherals**
 - Software monitoring & access
 - Screens, USB devices, printers
- Open for Expansion**
 - Peripheral integration
 - Open APIs for integration

Remote Access

- Real-Time Monitoring**
 - Connection/hardware status
 - Software/peripheral status
 - Failure notifications
- Remote Controls**
 - Power controls
 - Audio, backlight controls
 - Software controls
- Troubleshooting**
 - Screenshots
 - Remote desktop support

Operational Efficiency

- OTA updates**
 - System/software updates
 - File repository management
 - App store
- Batch Controls**
 - 1-to-many batch reboot, etc.
 - Time-saving tasks
- Setup Booster**
 - Software/peripheral watchlist
 - Roles, rule templates

Note: Some functions may vary according to the product

System Architecture

