EH-7106

Features

- Microsoft Windows® XP Embedded
- CCD camera
- Handset
- 10.4" TFT LCD with Touchscreen
- Four LED indicators
- Built-in microphone
- Built-in speaker
- Four programmable function keys
- One emergency button

Introduction

The EH-7106 residential terminal is Advantech's standard product that is supplied with a Microsoft Windows XPE embedded software kernel installed. The compact mechanical structure offers a smart, modern design that matches the entire Advantech residential terminal product family. The EH-7106 is equipped with an Intel® Celeron® M 800 MHz CPU, touchscreen, CCD camera & handset. The unit plays a key role as part of a home/building security & automation solution. The unit connects service/emergency calls and sensor signals of an apartment unit, through a LAN connection, to a central administration center. The handset of the eHome terminal can act as a door phone or inter-call phone through RS-232/RS-485/RS-422 and analog audio signals. Moreover, LonWorks® is also compatible with this Advantech eHome platform, so it can function seamlessly with other LonWorks enabled devices.

Specifications

- **CPU**   Intel Celeron M 800 MHz (fanless)
- **Memory**   Working 512 MB SDRAM
- **Storage**   External Type II CompactFlash up to 2 GB

Display
- **Panel Type**   TFT color LCD (LVDS)
- **Screen Size**   10.4"
- **Resolution**   800 (H) x 600 (W)
- **Luminance**   230 nits with integrated resistive touchscreen

User Interface
- **Stylus Pen**   No
- **Hotkeys**   4 x Keys & 1 Emergency Button with LEDs
- **LEDs**   4 x Status LEDs
- **CCD**   300K pixels (PCI)

System Integrator Interface
- **IDE**   1
- **Wi-Fi**   1 x via MiniPCI
- **PS/2 Port**   No
- **Video Port**   Yes

Multimedia Functions
- **Audio**   Built-in Microphone/Speaker
- **Video**   Video-In/ TV-out

Door Phone Interface
- **Handset**   Yes
- **Audio Signal Interface**   Yes
- **Door Unlock Button**   Yes

Embedded OS
- **XP Embedded**   Yes
- **Power Consumption**   < 48 W
- **Dimensions (W x H x D)** 315 x 240 x 60 mm
- **Weight**   2.5 kg
- **Operating Temperature** 0 ~ 40° C
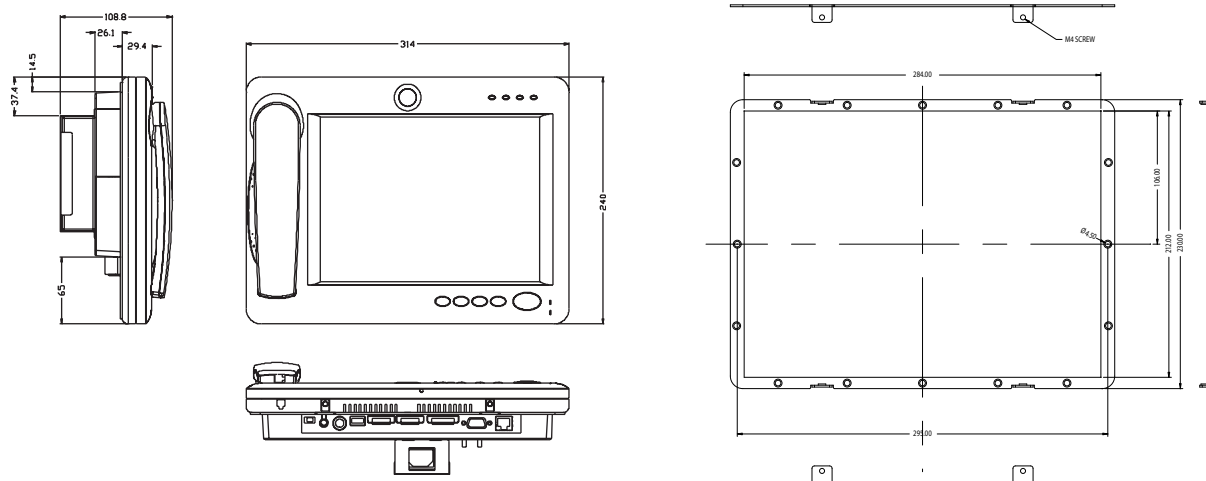- **Certificates**   UL, FCC/CE Class B, CCC

Applications

- Home Security
- Nursing Service/Video Health Care
- Emergency Call/Intercom
- Door Phone/Intercom

For System Integrators

- Enhanced Intercom with audio noise cancellation (cancels echo/background noise)
- Microsoft Windows XP Embedded
- Function key ready, programmable for SIs
- Hands-free functionality for a variety of applications
- Besides RS-protocol, LonWorks is also available
- Optional Mounting Bracket

ADVANTECH | **UbiQ - Ubiquitous Computing**

Dimensions

Unit: mm

Ordering Information

Part Number	Description
EH-7106-XPE0E	10.4" LCD, Celeron M 800 MHz, 512 MB SDRAM, 2 GB CFC, XPE
EH-7106-wallbox	In-wall box for EH-7106 series

Packing List

Description	Quantity
Mounting Rack	1
CD Utility	1
AC/DC Power Adapter	1
User Manual	1

IO Indicator Drawing

CCD Camera

Sensor Status Indicators: Emergency, Fire, Gas Leakage, Intrusion

Built-in Speaker

Two-step Emergency button (w/LED)

Built-in Microphone

Customer Defined Hot Keys (F1 to F4) (w/LED for each key): Door Phone/Unlock/Menu/Message

ADVANTECH