UbiQ-480

Residential Terminal



Features

- High performance platform with FreeScale i.MX31 1.3M Pixels CMOS Camera
- Built-in Handset, Microphone and Speaker 7" TFT LCD with Touchscreen
- Six programmable function keys

- 2 Lan ports Supports RS-485/RS-232, USB2.0, DI/DO PoE Power (Power over Ethernet, optional)
- Various Faceplate (by Request)
- Support VESA Standard Microsoft Windows® CE 5.0
- WiFi 802.11 b/g (optional) Advantech SUSI API manager is supported for easy SI development
- Intercom compatible
- Built-in echo canceller
- Built-in IR receiver





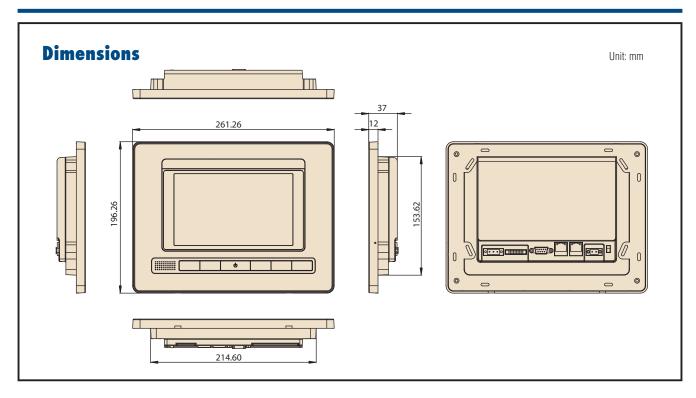


Introduction

The UbiQ-480 is a smart wall-mount touch terminal for eHome/Building. Multimedia and entertainment are main features of UbiQ-480 because of built-in powerful FreeScale i.MX31 CPU and Microsoft Windows® CE 5.0. Touch screen and 7" 16: 9 true color TFT LCD let the interaction between life and UbiQ-480 become more natural and colorful. The UbiQ-480 can easily communicate with intercom devices by built-in speaker, microphone, line-in and line-out connectors. Meanwhile, two Lan ports design can make the internet security control be easier to manage. IR receiver and WiFi function make the UbiQ-480 has more remote control capability. Furthermore, the elegant outlook with slim faceplate which protrudes only 8.0 mm from the wall make the UbiQ-480 be more suitable for home environment. Peripheral interface become easy because of rich I/O interface such as LAN, RS-232, RS-485, USB and DI/O.

Specification

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	CPU	Freescale i.MX31 523 MHz	
	System Memory	256 MB SDRAM	
Hardware	Data Memory	NAND 256 MB flash on board, SD Slot (optional, up to 2 GB)	
	Rear I/O	RS-232 x 1; RS-485 x 1, Video-in connector x 1; USB2.0 x 1; Line-in/out x 1; 1 x 4 TTL level DI, 4 TTL level DO	
	Front I/O	USB2.0 x 1	
	Hot Keys	6 x programmable function keys	
	Build-in Camera	1.3M Pixels CMOS camera	
	LED Indicator	6 x LED indicators	
	Audio	built-in MIC & speaker	
	RF wireless	IR receiver x 1	
	Network (LAN)	10/100 Base-T Ethernet (RJ-45) x 2	
Software	Operating System	Windows CE 5.0	
	Mounting type	Wall Mounting/VESA Standard	
Mechanical	Customization	Faceplate	
	Dimension (W x H x D)	261.26 x 196.26 x 37 mm	
	LCD	7" color TFT-LCD	
	Resolution	800 x 480	
	Touch Panel Set	Resistive (+ controller)	
Display	Pixel Pitch	0.1905 x 0.1905	
	Contrast Ratio	500/1	
	Luminance (cd/m²)	400 nits	
	Viewing Angel	160/160	
Power	Power Consumption	10 ~ 24 V and Isolated PoE Power, external power should be no less than 8W	
	Noise	Zero-noise	
Environment	Fan	Fan-less	
Environment	Operation Temperature	0 ~ 40° C	
	Certification	CE/FCC Class B, CCC, BSMI, UL	
	Wall-Box	in-Wall	
Optional	WiFi	802.11 b/g	
	Faceplate	White	
		Silver (metal)	
		Black (metal)	
	PoE	PoE Module	



Applications

- Home Automation
- Advertising Distribution Center

Ordering Information

Part Number	Description
UbiQ-480-ENW0LE	UbiQ-480, English OS, White
UbiQ-480-ENS0LE	UbiQ-480, English OS, Silver
UbiQ-480-ENB0LE	UbiQ-480, English OS, Black
UbiQ-480-ENWCWE	UbiQ-480, English OS, White, WiFi, Adapter, PoE
UbiQ-480-WALLBOX	Wall-Box for UbiQ-480

Packing List

Description	Quantity
CD Utility	1
User Manual	1

Option List

Description	Quantity
WiFi Module	1
Extra Memory (SD, up to 2G)	1
Wall-Box	1
PoE Module	1
Adapter	1

I/O Placement



