UbiQ-480

7" Residential Terminal

Features

- 7" TFT LCD with Touchscreen
- RISC base platform with Fan-less Design
- Ideal for Access & Scenario Control
- High performance platform with FreeScale i.MX31
- Built-in Microphone, Speaker, echo canceller, IR receiver
- 1.3M Pixels CMOS Camera
- Intercom compatible/ Six programmable function keys
- Support VESA Standard
- Microsoft Windows® CE 5.0
- Advantech SUSI API manager is supported for easy SI development
- Various Faceplate (by Request)
- PoE Power(Power over Ethernet)/WiFi 802.11 b/g (Optional)
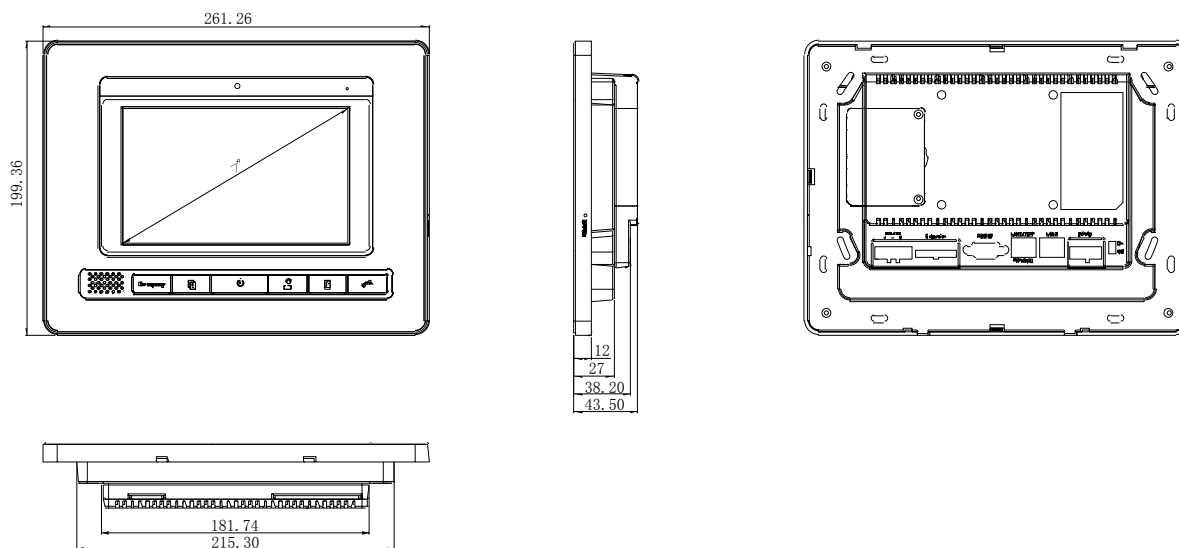
Introduction

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" 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.
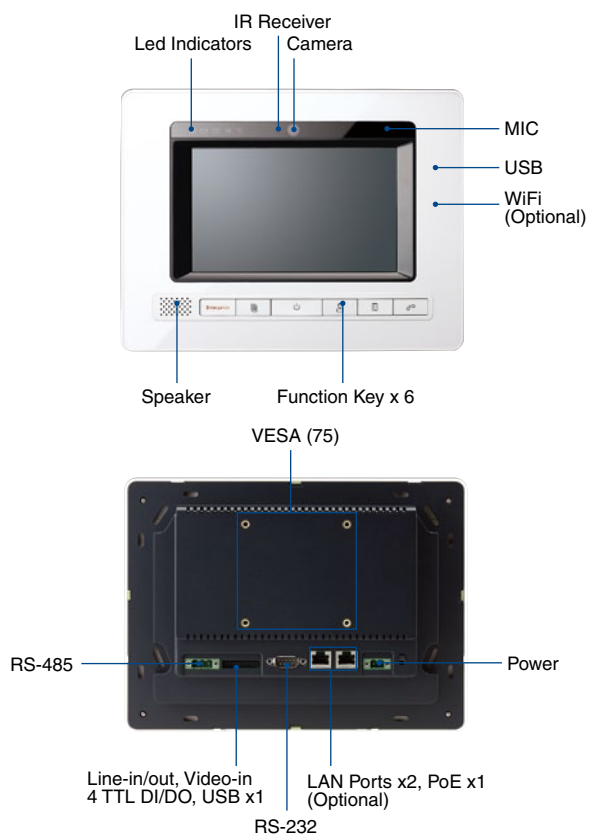
Specifications

Model Name	UbiQ-480	
Processor	Freescale i.MX31 523 MHz	
Memory	Module Type Size	Mobile DDR 256 MB
OS Support	Windows CE 5.0	
Display	Size/Type	7" TFT color LCD
	Max. Resolution	800 x 480
	Brightness (cd/m²)	320 cd/m²
	Viewing Angle	160/160
	Brightness Control	PWM
VGA	Chipset	CPU build-in
Storage / Type	NAND 256 MB flash on board, SD Slot (optional, up to 2GB)	
I/O Port	Rear I/O	RS-232 x1, RS-485 x1, Video-in connector x1, USB2.0 x1, Line-in/out x1, 1 x 4 TTL level DI, 4 TTL level DO
	Front I/O	USB2.0 Host x1(Below Cover)
Mechanical	Mounting Type	Wall Mounting/VESA Standard
	Dimension	261.26 x 199.36 x 43.5 mm (W x H x D)
Camera	1.3M Pixels CMOS camera	
Hot Key	Six programmable function keys	
LED	6	
RF wireless	IR receiver x 1	
Network (LAN)	10/100 Base-T Ethernet (RJ-45) x 2	
Audio	Chipset	WOLFSON_WM8750
	SPK / MIC	Speaker x1 output / Microphone x1 input
Power	Output Rating	12 ~ 24 V_{DC}, 2 A
	Input Voltage	100 ~ 240 V_{AC}
	Battery	-
Touchscreen	Technology	Resistive (controller)
	Touch Life Cycle	10 million touches
Temperature	Operation	0 ~ 40° C
	Storage	-20° C ~ 60° C
Certificate	CE/FCC Class B, CCC, BSMI, UL	

Dimensions

Unit: mm

261.26

199.36

12
27
38.20
43.50

181.74
215.30

I/O Placement

Led Indicators
IR Receiver
Camera

MIC

USB

WiFi
(Optional)

Speaker

Function Key x 6

VESA (75)

RS-485

Power

Line-in/out, Video-in
4 TTL DI/DO, USB x1

LAN Ports x2, PoE x1
(Optional)

RS-232

Ordering Information

Part Number	Description
UBIQ-480-ENW0LE	English OS, White
UBIQ-480-ENS0LE	English OS, Silver
UBIQ-480-ENB0LE	English OS, Black
UBIQ-480-ENWPWE	English OS, White, PoE & WiFi
UBIQ-480-ENWAWE	English OS, White, Adpter & WiFi
UBIQ-480-ENWCWE	English OS, Adpter, PoE & WiFi
UbiQ-480-BRACKETE	Bracket for UbiQ-480
UbiQ-480-WALLBOXE	Wall-Box for UbiQ-480

*OS supports English, Simplified & Traditional Chinese.

Optional List

Description	Quantity
WiFi Module	1
PoE Module	1
Wall-Box	1
Bracket	1
Adapter	1

Packing List

Description	Quantity
UbiQ-480 Unit	1
User Note & License	1
Connector	2