# **UbiQ-470**

## 7.0" In-Wall Touch Panel



### **Features**

- 7.0" 16:9 TFT touch panel
- Supports MPEG-4 @ 30 frames/sec
- Slim profile: faceplate protrudes 5 mm from the wall
- Built-in IR receiver, microphone, speaker and necessary I/O
- Faceplate is easily customized with various materials for unique product identity
- Supports Macromedia® Flash Player and JVM (Optional)



## Introduction

The UbiQ-470 is designed for eHome/Building wall-mounted touch control applications. The Intel XScale® PXA270 processor combined with Microsoft Windows® CE 5.0 forms a high performance, reliable, fanless platform for in-wall touch control applications. Microsoft WinCE 5.0 and Macromedia Flash Player enable a friendly attractive GUI interface for eHome/eBuilding applications. Built-in display chip Intel 2700G with 32 MB VRAM and 7.0" 16:9 true color TFT LCD give perfect graphic performance. The built-in speaker and microphone can act as intercom through an analog audio interface or LAN. A built-in IR receiver implements the remote control capability. The elegant outlook is suitable for home environments and the faceplate protrudes only 5.0 mm from the wall. If the default faceplate does not fit in with your home style, we welcome faceplate customization requests. In addition, rich I/O interfaces, such as LAN, RS-232, RS-485, USB, DI/O and hotkeys are reserved for easy peripheral integration.

## **Specifications**

#### **System Kernel**

• **OS** Windows CE 5.0 core version

• CPU Intel XScale PXA270 312 MHz (520 MHz as option)

Graphic Chip Intel 2700G with 32 MB VRAM
SDRAM 64 MB (128 MB as option)
Flash 128 MB (256 MB as option)

• RTC Built-in with rechargeable 65 mAh coin battery

Power Management
Reset
Idle mode (turns off LCD)
H/W reset buttom

#### **LCD & Touchscreen**

Panel Type 7.0" 18-bits TFT
Resolution 16:9 800 (W) x 480 (H)
Brightness 400 nits (adjustable by S/W)

**Touchscreen** 4-wire resistive

#### 1/0

SD 1 x Slot (supports memory & I/O mode)
COM
COM1: RS-232 by DB-9 connector
COM2: RS-485 by Phoenix connector

■ **USB** 2 x USB 1.1

• Ethernet 1 x 10/100Base-T by RJ-45 connector

• IR Receiver Coupled with UbiQ-310

All product specifications are subject to change without notice

• Status LED 5 x status (power status, security, message, remote

control & reminder)

• **Expansion Connector** 50-pin box header includes COM3 (RS-232), USB host

1.1, Line-in, 4 DI, 4 DO, I2C & power (3.3 V & 5 V)

#### **Audio**

Speaker 1 x 1.5 watt
Microphone Built-in
Line-out Line-out jack

#### **Power**

■ **DC-in** 10 ~ 28 V by phoenix conn. with fuse protection

Power Switch Slide type

## **Environmental & Physical**

Operating Temperature 0 ~ 50° C
Storage Temperature -20 ~ 70° C
Certification UL, FCC/CE Class B

RoHS Compliant Yes

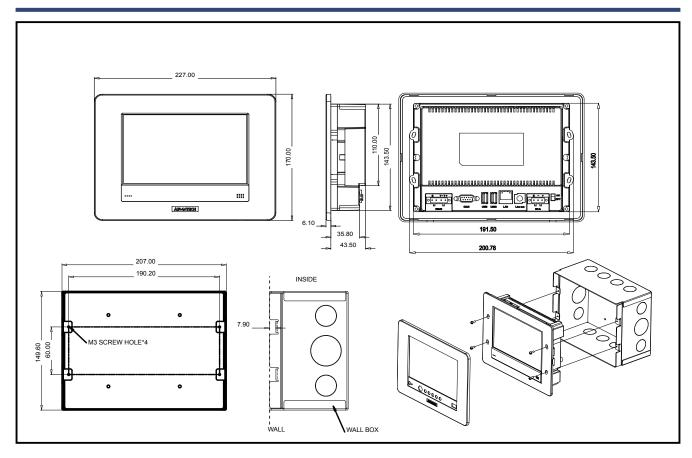
#### Optional S/W Support

• **GUI Middleware** Flash: Windows CE Macromedia Flash Player 7.0

ActiveX plug-in

JVM: BSQUARE JEM-CE 1.10.41 Java Virtual Machine

Maintenance Tool UbiQ Remote Manager 1.0



# **Ordering Information (Preliminary)**

Part Number	Description
Ubiq-470-GCE0E	7.0" 800 x 480 16:9 TFT LCD & touchscreen, Intel XScale PXA270 and 2700G with Windows CE 5.0
UbiQ-WALLBOX-4700	UbiQ-470 series standard wall box

# **Packing List (Preliminary)**

Description	Quantity
UbiQ-470 unit	1
Windows CE end user license agreement	1
CD-ROM	
1) Datasheet, user manual & application notes	
2) Upgrade utility (for image and boot logo) & related S/W	1
support packages	
3) Windows CE 5.0 platforms SDK	
Warranty card	1
Phoenix nower connector	1

# I/O Drawing

