

# UbiQ-231

## One-Touch Scenario Control Panel with 4.3" Color LCD



### Features

- 4.3" TFT LCD with touchscreen
- RISC base platform with fanless design
- Ideal for access and scenario control
- High performance with TI ARM Cortex-A8 OMAP-3503
- Flat touch panel design
- Supports horizontal or vertical display
- Built-in speaker, IR receiver
- Ethernet x 1, RS-485 x 1, USB x 2
- Microsoft Windows® CE 6.0
- Advantech SUSI API manager is supported for easy SI development
- Various faceplates by project
- PoE Power (Power over Ethernet) / Zigbee (802.15.4) by project

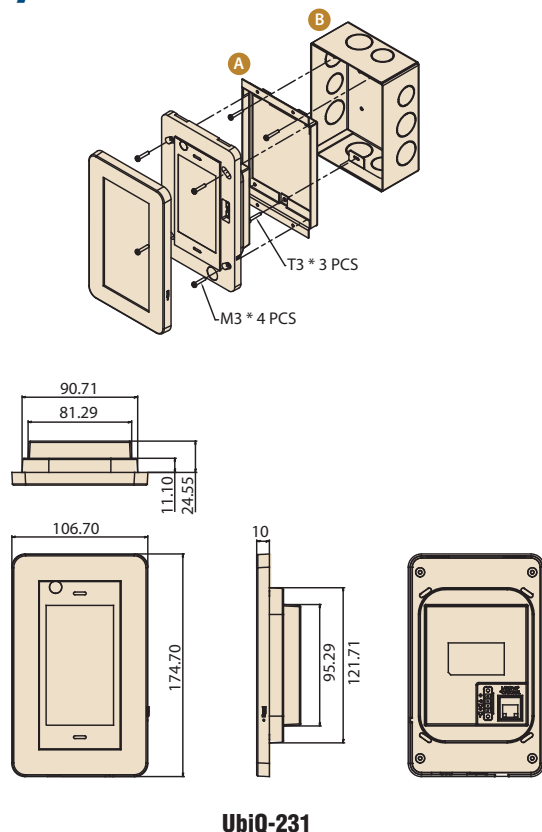
### Introduction

UbiQ-231 comes with a 4.3" flat touch panel design scenario control panel. The 4.3" true color TFT LCD allows the interaction with UbiQ-231 to be more natural and colorful. UbiQ-231 features a powerful, built-in TI ARM Cortex-A8 OMAP-3503 CPU, Microsoft Windows® CE 6.0, an IR receiver, and RS-485, LAN and USB ports for versatile connectivity and more optional functions. The IR receiver and Zigbee give the UbiQ-231 more remote control capability. Furthermore, its elegant appearance with slim faceplate extends only 10 mm from the wall, making UbiQ-231 more suitable for home environments.

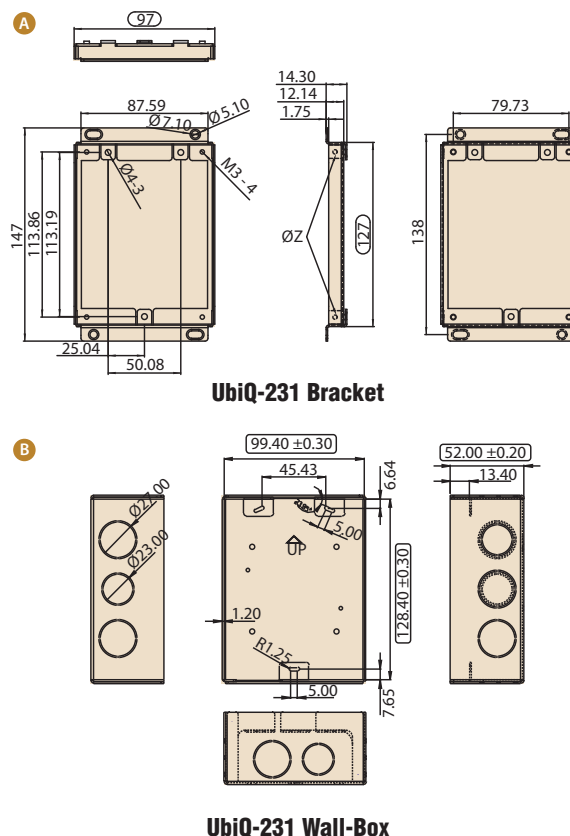
### Specifications

|                |                                                          |                                             |
|----------------|----------------------------------------------------------|---------------------------------------------|
| Model Name     | UbiQ-231                                                 |                                             |
| Processor      | TI OMAP 3503 600 MHz                                     |                                             |
| Memory         | Module Type Size                                         | Mobile DDR 256 MB                           |
| OS Support     | Windows CE 6.0                                           |                                             |
| Display        | Size/Type                                                | 4.3" TFT color LCD                          |
|                | Max. Resolution                                          | 480 x 272                                   |
|                | Brightness (cd/m <sup>2</sup> )                          | 500 cd/m <sup>2</sup>                       |
|                | Viewing Angle                                            | 130/105                                     |
|                | Brightness Control                                       | PWM                                         |
| VGA            | Chipset                                                  | CPU built-in                                |
| Storage / Type | iNAND 2GB flash on board, SD Slot (optional, up to 32GB) |                                             |
| I/O Port       | Rear I/O                                                 | RS-485 x 1                                  |
|                | Front I/O                                                | USB 2.0 Host x 1 / Client x 1 (Below Cover) |
| Mechanical     | Mounting type                                            | In-Wall / Wall Mounting                     |
|                | Dimension                                                | 106.7 x 174.7 x 34.6 mm (W x H x D)         |
| Camera         | -                                                        |                                             |
| Hot Key        | Touch Button x 2                                         |                                             |
| LED            | Red / Green                                              |                                             |
| RF wireless    | IR receiver x 1                                          |                                             |
| Network (LAN)  | 10/100 Base-T Ethernet (RJ-45) x 1                       |                                             |
| Audio          | Chipset                                                  | -                                           |
|                | Speaker/ Mic                                             | Speaker x 1 output                          |
| Power          | Output Rating                                            | 10 ~ 24 V <sub>DC</sub> , 2 A               |
|                | Input Voltage                                            | 100 ~ 240 V <sub>AC</sub>                   |
|                | Battery                                                  | -                                           |
| Touchscreen    | Technology                                               | Resistive (controller)                      |
|                | Touch Life Cycle                                         | 10 million touches                          |
| Temperature    | Operating                                                | 0 ~ 40° C                                   |
|                | Storage                                                  | -20° C ~ 60° C                              |
| Certifications | CE/FCC Class B, CCC, BSMI, UL                            |                                             |

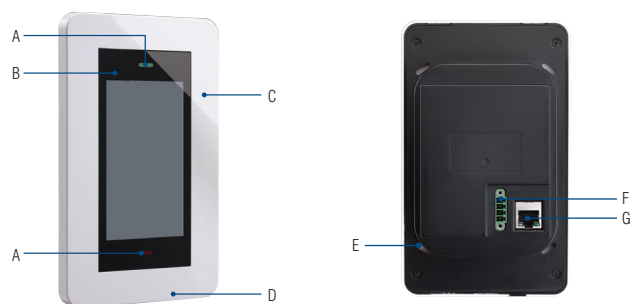
## System Dimensions



Unit: mm



## I/O Placement



- A. Function Key  
B. IR receiver  
C. USB x 2  
D. Speaker  
E. Reset Key  
F. RS-485  
G. LAN Ports / PoE x 1 (Optional)

## Optional List

| Description                | Quantity |
|----------------------------|----------|
| Bracket                    | 1        |
| Wall-Box                   | 1        |
| Adapter                    | 1        |
| PoE Module (By Project)    | 1        |
| ZigBee Module (By Project) | 1        |

## Ordering Information

| Part Number       | Description                             |
|-------------------|-----------------------------------------|
| UbiQ-231-ENWOLE   | English OS, White                       |
| UbiQ-231-ENWCLE   | English OS with Adapter, Bracket and IR |
| UbiQ-231-BRACKETE | Bracket for UbiQ-231                    |
| UbiQ-231-WALLBOXE | Wall-Box for UbiQ-231                   |

## Packing List

| Description           | Quantity |
|-----------------------|----------|
| UbiQ-231 Unit         | 1        |
| WinCE License Sticker | 1        |
| Phoenix Connector     | 1        |
| Screw                 | 8        |

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