# QCU-100
# Video Conferencing MCU

**FREE ID SETTING**

**MULTI-INTERFACE CONTROL**

**PASSWORD PROOF**

TCP/IP

RJ45

## Features

* Digital matrix encoding: you can set/change the ID number for each conference microphone, which avoids the traditional way of manual switch and the problem of repeated encoding.

* Web interface for conference management: via TCP/IP control, you can use the PC or mobile devices to set/change the MCU's settings randomly.

* Multipoint network control: multiple administrators can log in at the same time to set and manage the conference.

* Password protection: preventing the unauthorized person logging in the MCU and controlling the system.

* Play and record the audio sources.

* USB interface for the PC's graphical control software.

| Power Supply | |
|---|---|
| **External Power Supply** | DC 24V 5A MAX |
| **Voltage/Frequency** | 110/220V |
| **Model No. of Power Supply** | SH-2450A |
| **Total Power of Power Supply** | 120W |
| **Weight of Power Supply** | 0.5Kg (power cord not included) |

| Electrical Characteristics | |
|---|---|
| **Frequency Range** | 100~16khz |
| **Total Harmonic Distortion (THD)** | 0.1% |
| **SN-ratio** | 85dB (76dB jiS A-weighted average) |

| System Characteristics | |
|---|---|
| **Qty. of Unit Control** | Chairman x 5 + Delegate x 35 |
| **Operation Modes** | Normal / Chairman / Override / FIFO |
| **Mic Auto-off Time** | 30/45 seconds / unlimited |
| **Qty. of the Open Mic** | 1-10 units |
| **AGC Control** | Extensible |
| **Volume Control for Individual Mic** | Extensible |
| **AGC Control for Individual Mic** | Extensible |

| Physical Dimension | |
|---|---|
| **Unit Size（H*W*D）** | 44*350*220 (mm) |
| **Cabinet 19"** | 1U |
| **Weight** | 2Kg (power supply not included) |
| **Temperature for Storage** | -20°-60℃ (10-80% moisture) |
| **Operating Temperature** | 5°-40℃ (35-80% moisture) |

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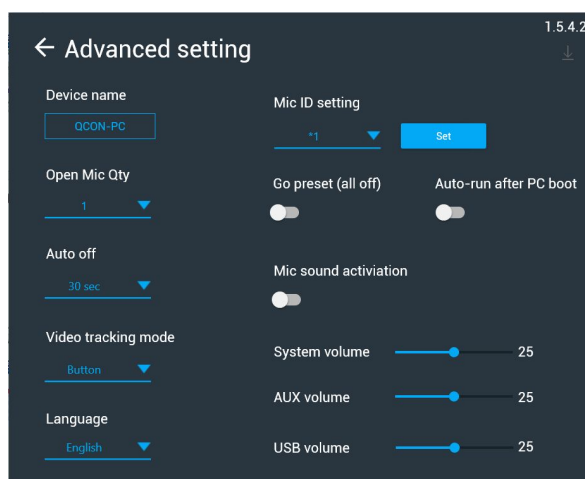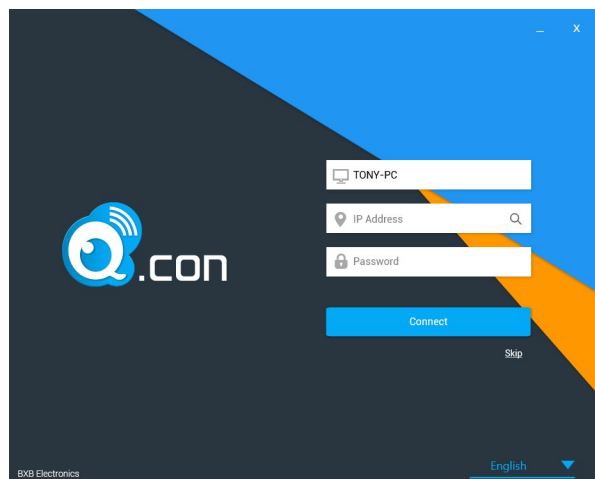| Signal Input | |
|---|---|
| LINE IN | RCA x 1 |
| USB IN | USB sound card |
| **Signal Output** | |
| LINE OUT | RCA x 2 (unbalanced) |
| LOOPBACK OUT | RCA x 1 |
| USB OUT | USB sound card |
| **Control Output** | |
| Control Format | USB HID, TCP |
| Ethernet | 10Mbps |
| USB | High-speed USB |

## Accessories

SH-2450A Power Supply

**Supply the power for the MCU**

Size: 155*70*45 (mm)
DC: 2.1mm DC
AC: IEC C13/C14 (with the power cord)
Input Voltage: AC 100-240V 50/60Hz
Output Voltage: DC 24V MAX 5A

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# Q.con Graphical Control Software

| System Requirements | |
|---|---|
| **Processor** | Intel Pentium 2.8GHz dual-core processor or the faster |
| **RAM** | 4GB DDR3 or more |
| **Hard Disk Drive** | 200GB SATA or more |
| **Display Interface** | Intel HD or the higher |
| **Operating System** | Windows 7 or the later; Windows 10 is recommended |
| **Internet Interface** | 10 / 100 / 1000Mbps Giga Ethernet |
| **USB Interface** | USB 3.0 x1 and USB 2.0 x 3 at least to be compatible with the basic operating requirements |

| Software Functions | |
|---|---|
| **Language** | Support English, traditional Chinese, simplified Chinese, and Korean |
| **Password** | Manage and control the MCU via TCP/IP or USB mode |
| **Status Indicator** | Display the status of the MCU and camera with different colors of indicator light |
| **Conference Modes** | Normal, chairman, override, and FIFO |
| **Operating Mic Display** | Display the operating Mic's ID |
| **Open Mic Qty** | Set the quantity of the operating microphone (1-10 units) |
| **Mic Auto-off** | 30/45 seconds |
| **Mic Sound Activation** | ON/OFF the sound activation function |
| **Volume Setting** | Individually adjust the volume of system, AUX, and PC |
| **Video Operating Interface** | Instantly display HDC-611 camera's video via USB 3.0. You can also adjust the direction, zoom in/out and the preset point of the camera. |
| **Video Tracking** | OFF/Button/Voice mode for HDC-611 camera's video tracking |

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