

# UPC-V315-QM77

Intel® Mobile QM77 Express Chipset



## Features

- » Intel® Ivy Bridge mobile chipset
- » 15" 400 nits 1024 x 768 LCD with LED backlight
- » Full IP 65 compliant die-casting aluminum chassis
- » PCIe Mini card expansion
- » Dual-DC input, 9V ~ 36V and 10.5V ~ 36V, switch automatically
- » ACC power support
- » Dual-band 2.4/5 GHz Wi-Fi 802.11a/b/g/n 3T3R MIMO design
- » Reserved space for 3.75G HSUPA USB dongle
- » Optional GPS receiver
- » Optional EM or Mifare RFID reader
- » Optional Bluetooth module
- » Built-in 2-megapixel webcam with AF, AE and AWB capabilities
- » CAN-bus interface with isolation
- » F1 ~ F10 function keys with customization options

## Specifications

|                        |   |
|------------------------|---|
| Display                |   |
| Backlight MTBF(hrs)    | 50000   |
| Brightness(cd/m2)      | 400   |
| Contrast Ratio         | 700 : 1   |
| LCD Size               | 15"   |
| Max Resolution         | 1024(W) x 768(H)  |
| Environment            |   |
| Humidity               | 10% to 95% (non-condensing)   |
| Operating Temperature  | -10°C~50°C  |
| Storage Temperature    | -20°C~60°C  |
| Expansion Slots        |   |
| Expansion Slots        | 1 x PCIe Mini card  |
| I/O Interface          |   |
| I/O Ports and Switches | 3 x RS-232 (RJ-45)  |
|                        | 1 x RS-422/485 (RJ-45)  |
|                        | 1 x CAN-bus   |
|                        | 1 x VGA   |
|                        | 1 x HDMI™ port  |
|                        | 2 x GbE LAN   |
|                        | 2 x USB 2.0   |
|                        | 2 x USB 3.0   |
|                        | 1 x Reset button  |
|                        | 1 x Audio jack (Line out, MIC)  |
| RAM                    | Built-in one 2 GB DDR3 memory (system max. 8GB: on board max. 4GB, socket max. 4GB) |
| LCD                    |   |

|                          |  |
|--------------------------|--|
| LCD Color                | 16.2M  |
| Pixel Pitch (mm)         | 0.297mm x 0.297mm                                |
| Viewing Angle (H-V)      | 125° / 140°                                      |
| Other Features           |  |
| System Cooling           | Fanless  |
| Physical Characteristics |  |
| Cutout Dimensions        | 390 x 290  |
| Dimensions (LxWxH) (mm)  | 427.19 x 330.63 x 77.06                          |
| Power                    |  |
| Power adapter            | 90 W ; 63040-010090-050-RS                       |
|                          | Requirement Power 1: 9V~36V(+/-0.3V)             |
|                          | Power 2: 10.5V~36V(+/-0.3V)                      |
| System                   |  |
| Chipset                  | Mobile Intel® QM77 Express Chipset               |
| CPU                      | Intel® Celeron® 1047UE processor                 |
| HDD                      | 1 x 2.5" SATA SSD bay                            |
| SSD                      | mSATA (SATA2 signal)                             |
| Touch                    |  |
| Touch Controller         | DMC 9000   |
| Touch Screen             | 5-wire resistive type with RS-232 interface      |
| Weight                   |  |
| Weight                   | 6.5 kg / 8.8kg                                   |
| I/O Interface            |  |
| I/O Interface            | 1 x Reset Button                                 |
|                          | 2 x LAN(GbE LAN)                                 |
|                          | 1 x HDMI™  |
|                          | 1 x CAN-bus                                      |
|                          | 1 x AT/ATX Switch                                |
|                          | 3 x RS-232((RJ-45))                              |
|                          | 1 x RS-422/485((RJ-45))                          |
|                          | 1 x Video  |
|                          | 2 x USB2.0                                       |
|                          | 2 x USB3.0                                       |
|                          | 1 x Mic  |
|                          | 2 x Power In(9-36V DC jack/9-36V terminal block) |
|                          | 1 x Line out                                     |

## Ordering Information

|                           |  |
|---------------------------|--|
| UPC-V315-QM77-i7/R/2G-R10 | 15" 400cd/m <sup>2</sup> XGA fanless full IP65 panel PC with Mobile Intel® QM77 Express Chipset and Intel® Core™ i7-3517UE Processor, 802.11a/b/g/n wireless module, resistive touch screen, 2M camera,microphone,2GB DDR3 RAM, R10          |
| UPC-V315-QM77-i3/R/2G-R10 | 15" 400cd/m <sup>2</sup> XGA fanless full IP65 panel PC with Mobile Intel® QM77 Express Chipset and Intel® Core™ i3-3217UE Processor, 802.11a/b/g/n wireless module, resistive touch screen, 2M camera,microphone,2GB DDR3 RAM, R10          |
| UPC-V315-QM77-C/R/2G-R10  | 15" 400cd/m <sup>2</sup> XGA fanless full IP65 panel PC with Intel QM77 and Celeron Dual Core 1047UE Processor (2M Cache, 1.40 GHz), TDP 17W, 802.11a/b/g/n wireless module, resistive touch screen, 2M camera,microphone, 2GB DDR3 RAM, R10 |

## Packing List

|                   |               |
|-------------------|---------------|
| 1 x Power Adpater | 1 x Screw Kit |
| 1 x Touch Pen     |               |