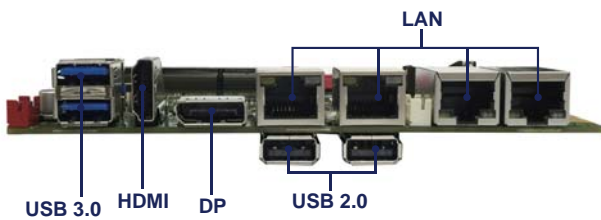




# 31860A / 31860CW Series

## Back Panel

31860A / 31860CW Rear I/O



- ▶ Intel® Mobile Broadwell-U (5th generation iCore CPU) SoC, 3.5" SBC, DDR3L SODIMM, 1 x HDMI, 1 x DP, LVDS, 4 x Gb Intel Ethernet, 2 x Mini PCIe, 1 x SIM card socket, 5 x USB, 6 x COM, PCIE 4x golden finger

### ▶ Features

- Intel® Mobile Broadwell-U (5th generation Intel® Core series SoC)
- 1 x DDR3L 1600 MT/s SODIMM Socket, Max up to 8GB
- Multi Independent display: 1 x HDMI, 1 x DP & LVDS (eDP)
- 4 x Intel GbE LAN, 2 x USB 3.0, 3 x USB 2.0, Line-out, Mic-in, 6 x COM
- 2 x PCIe mini card, 1 x SIM card socket, 1 x PCIE 4x golden finger

## Specification:

| MODEL                 | 31860A   | 31860CW   |
|-----------------------|--|---|
| CPU Type              | Intel® Mobile Broadwell-U CPU, Support 5th generation iCore series CPU   |   |
| MB Chipset            | Intel® Mobile Broadwell-U SoC  |   |
| BIOS                  | Insyde UEFI BIOS   |   |
| Graphics              | Intel Mobile Broadwell-U Processor Integrated Graphics DirectX* Video Acceleration (DXVA) ;<br>Display Ports: DP, HDMI & LVDS      |   |
| System Memory         | Support 1 x DDR3L SODIMM 1600MT/s, Max up to 8 GB  |   |
| NAND flash memory     | N/A  |   |
| SATA                  | 2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)<br>2 x mini card socket for mSATA                                 |   |
| Audio                 | Intel High Definition Audio Specification, Support Line-out, Mic-in / Line-in  |   |
| LAN                   | 4 x Intel LAN 10 / 100 / 1000 Mbps   |   |
| Audio Amplifier       | N/A  | Two channel Class D Audio Amplifier ; 2.57W/Ch (Typ.) into a 4ΩLoad ;<br>1.46 W / Ch (Typ.) into a 8ΩLoad |
| LVDS / Touch Screen   | N/A  | Single / Dual CH 18 / 24 Bits LVDS ; USB touch screen controller  |
| IO Function           | 5 x RS232 (internal) ; 1 x RS232 / 422 / 485 (internal)<br>Internal PS2 KB / MS  |   |
| USB                   | 2 x USB 3.0 (external) ; 2 x USB 2.0 external<br>1 x USB 2.0 (internal)  |   |
| HDMI / DP             | 1 x HDMI 1.3a (Type A 19 pin) ; 1 x Display Port   |   |
| DIO & WDT             | Hardware digital Input & Output, 8 x DI / 8 x DO<br>Hardware Watch Dog Timer, 0~255 sec programmable                               |   |
| Expansion Interface   | 2 x Full size PCIe Mini card for PCIe x 1 OR mSATA and USB interface<br>1 x PCIE 4x Golden finger<br>1 x SIM card socket for MPCE1 |   |
| Power                 | On board DC +12V   | Wide Range DC in+9~36V  |
| Dimension             | 146 x 102 mm (3.5 inch)  |   |
| Operation Temperature | -20°C ~ 70 °C  |   |
| Operation Humidity    | 5 ~ 95%, non-condensing  |   |