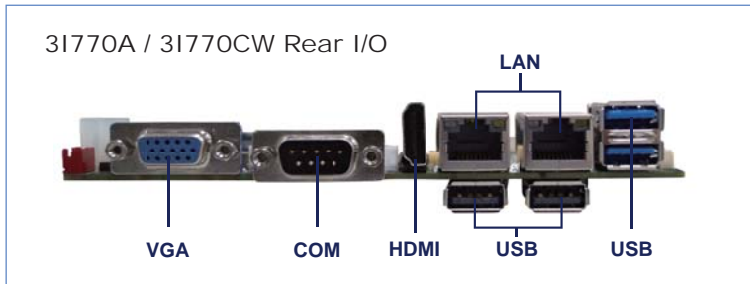


## 31770A / 31770CW Series

### Back Panel



- Intel® Mobile Ivy Bridge Processor (iCore CPU), 3.5" SBC, DDR3 SODIMM, VGA, HDMI, LVDS, 2 x Gb Intel Ethernet, 2 x Mini PCIe, 1 x SIM card socket, 9 x USB, 6 x COM

#### Features

- Intel® Mobile Ivy Bridge Processor, +Intel Panther Point (PCH) QM77
- 1 x DDR3 SODIMM Socket, Max up to 8GB
- Multi Independent display: VGA, HDMI & LVDS
- 2 x Intel GbE LAN, 2 x USB 3.0, 7 x USB 2.0, Line-out, Mic-in, 6 x COM
- 2 x Mini PCIe ; 1 x SIM card socket (option share on board SSD)

### Specification:

MODEL	31770A	31770CW
CPU Type	Intel® Mobile Ivy Bridge Processor, Support iCore series CPU	
MB Chipset	Intel Panther Point Platform Controller Hub (PCH) QM77	
BIOS	AMI UEFI BIOS	
Graphics	Intel Mobile Ivy Bridge Processor Integrated Graphics DirectX * Video Acceleration (DXVA) ; Display Ports: CRT, HDMI & LVDS	
System Memory	Support 1 x DDR3 SODIMM 1333 / 1600MT/s, Max up to 8GB	
NAND flash memory	On board SSD 2 / 4 / 8 / 16 / 32 / 64 GBytes (optional with SIM card Socket)	
SATA	1 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s) 1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s) 2 x mini card socket for mSATA ; 1 x on board NAND drive (Option)	
Audio	Intel High Definition Audio Specification, Support Line-out, Mic-in / Line-in	
LAN	2 x Intel 10 / 100 / 1000 Mbps	
Audio Amplifier	N/A	Two channel Class D Audio Amplifier ; 2.57W / Ch (Typ.) into a 4ΩLoad ; 1.46 W / Ch (Typ.) into a 8ΩLoad
LVDS/Touch Screen	Dual CH 18 / 24 Bits LVDS	Dual CH 18 / 24 Bits LVDS ; USB touch screen controller
IO Function	1 x RS232 (external) ; 4 x RS232 (internal) ; 1 x RS232 / 422 / 485 (internal)	
USB	2 x USB 3.0 (external) ; 2 x USB 2.0 external 5 x USB 2.0 (internal-2 x share with mini PCIe)	
HDMI	1 x HDMI 1.3a (Type A 19 pin)	
DIO & WDT	Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 0~255 sec programmable	
Expansion Interface	1 x Half size PCIe Mini card for mSATA / USB interface 1 x Full size PCIe Mini card for PCIe / mSATA / USB interface 1 x SIM card socket	
Power	On board DC +12V ; Wide Range DC in+9~36V (Option)	Wide Range DC in+9~36V ; CPC-Car Power Control (optional)
Dimension	145 x 102 mm (3.5 inch)	
Operation Temperature	-20°C ~ 70°C	
Operation Humidity	5 ~ 95%, non-condensing	
Expansion	GPS, IEEE1394, 3G / 4G, Bluetooth, WI-FI, I/O, Video Card	
Chassis	Box PC: BLOK, TINO, TIGER, Panel PC	