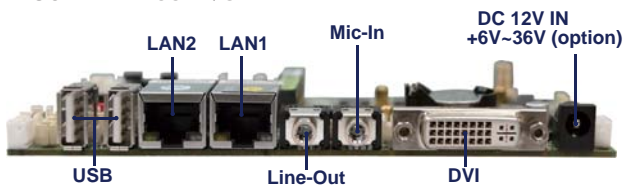


31280A Series

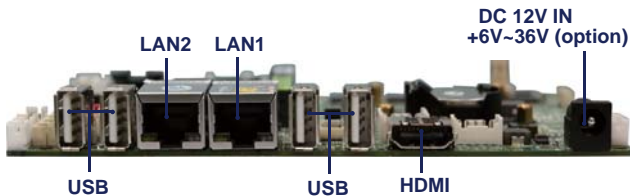
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Back Panel

31280A-DR Rear I/O



31280A-HR Rear I/O



- ▶ Intel® Atom™ N2800 1.86Ghz CPU, 3.5" SBC
DDR3 SO-DIMM, VGA, DVI, HDMI,
2 x Gb Ethernet, 2 x Mini PCIe, 7~ 9 x USB, 6 x COM

▶ Features

- Intel® Atom™ Dual Core processor N2800 1.86Ghz + ICH10R
- DDR3 SO-DIMM x 1, Max up to 4GB
- Display: VGA, DVI & HDMI
- 2 x Realtek GbE LAN, 7~9 x USB 2.0, HD Audio, 6 x COM
- 2 x Mini PCIe

Specification:

MODEL	31280A-DR	31280A-HR
CPU Type	Intel Cedarview-M N2800 1.86GHz (Dual core processor) TDP 6.5W	
MB Chipset	Intel Cedarview-M and ICH10R	
BIOS	AMI BIOS	
Graphics	Intel Cedarview-M Integrated Graphics chipset, N2800 640 MHz render clock frequency Support Directx*9, Display Ports: HDMI, DVI, CRT	
System Memory	DDR3 SO-DIMM x 1, Max up to 4GB, N2800 Memory DDR3 data transfer rate of 1066MT/s	
NAND flash memory	On board SSD 2 / 4 / 8 / 16 /32 / 64 GBytes (option)	
SATA	2 x SATA port 2.0 supported, Data transfer rates up to 3.0 Gb/s (300 MB/s)	
Audio	Intel High Definition Audio Specification, External Line-out / Mic-in	Intel High Definition Audio Specification, Internal Line-out / Line-in / Mic-in
LAN	2 x Realtek RTL8111F 10 / 100 / 1000 Mbps	
IO Function	1 x RS422 / 485 (Internal), 5 x RS232 / 485 (Internal) PS2 KB / MS (Internal)	
USB	7 x USB 2.0 (2 x external + 5 x Internal)	9 x USB 2.0 (4 x external + 5 x Internal)
DVI/HDMI	1 x DVI-D support resolution 1920 x 1200	1 x HDMI support resolution 1920 x 1200
DIO & WDT	Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 0~255 sec programmable	
Expansion Interface	2 x PCIe Mini card for PCIe by one and USB interface 1 x 3G SIM socket (option)	
Power	Wide range DC input from +6V to +36V (Option), On board DC +12V	
Dimension	145 x 102 mm (3.5 inch)	
Operation Temperature	-20°C ~ 70 °C	
Operation Humidity	5 ~ 95%, non-condensing	
Chassis	CUBE / TWITTER / LEO / BRIK / BLOK	