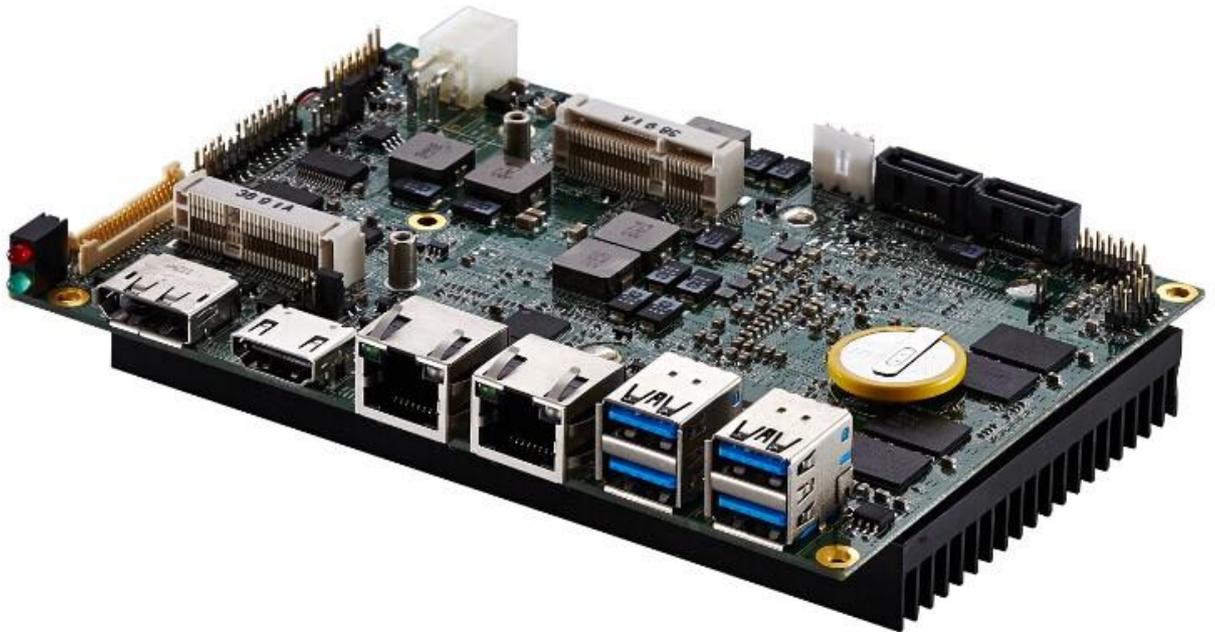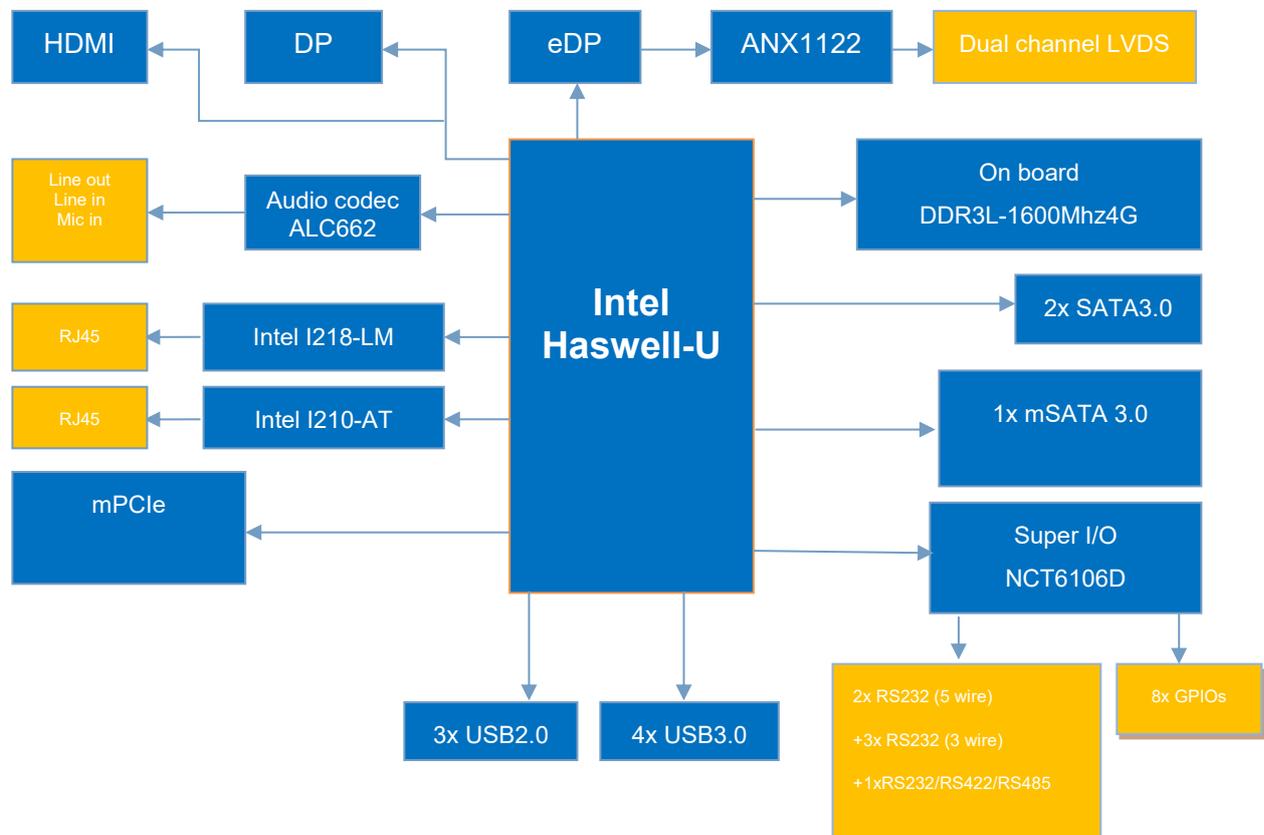>> Datasheet <<

PCM-H351

3.5-inch motherboard with onboard Intel ®Haswell U —series processor

» Intel ®Haswell U —series processor (dual—core) , power consumption: 15W

» Onboard 4GBDDR3L memory (voltage 1.35V) , maximum frequency 1600MH z

» Integrated Intel 7.5th generation graphics core , supports OpenGL 4.0, OpenCL 1.2, DX11.1, H.264, MPEG2, VC-1)

» Support DP1.2, HDMI1.4 b (maximum data rate 1.65G b per second), LVDS (18/24— bit single channel or dual channel)

» Supports intel 10/100/1000Mbit Ethernet (i5 , i7 (supports AMT9.5)) , SATA, mSATA and mPCIe

» Support USB2.0 and USB3.0 , serial port, GPIO interface

» DC power connector with lock (input voltage: +9V~+ 19V , + 12V recommended)

» Operating temperature: —20° C to +75° C

» Operating temperature : —40° C to +8 0 ° C (optional)

PCM—H351 Block Diagram

```
HDMI          DP          eDP          ANX1122          Dual channel LVDS

Line out
Line in       Audio codec              On board
Mic in        ALC662                   DDR3L-1600Mhz4G

                        Intel          2x SATA3.0
RJ45          Intel I218-LM    Haswell-U
                                        1x mSATA 3.0
RJ45          Intel I210-AT

mPCIe                                   Super I/O
                                        NCT6106D

              3x USB2.0    4x USB3.0    2x RS232 (5 wire)        8x GPIOs

                                        +3x RS232 (3 wire)

                                        +1xRS232/RS422/RS485
```

Technical Information n	
Plate type	3.5 inch motherboard
processor	Fourth generation Intel 22nm dual -core Celeron , I3, I5, I7 support: Intel ®Core ™ Celeron-2980U 1.6GHz 15W Intel ®Core ™ i3-4010U 1.7GHz 15W Intel ®Core ™ i5-4200U 1.6GHz 15W Intel ®Core ™ i5-4210U 1.7GHz 15W Intel ®Core ™ i5-4300U 1.9GHz 15W Intel ®Core ™ i7-4510U 2.0GHz 15W Intel ®Core ™ i7-4650U 1.7GHz 15W Intel ®Core ™ i3-5010U 2.1GHz 15W Intel ®Core ™ i5-5200U 2.2GHz 15W Intel ®Core ™ i7-5500U 2.4GHz 15W
Memory	Onboard 4GB DDR3L memory (voltage 1.35V) , maximum frequency 1600MH z
graphics processing	Support 1 DP maximum resolution 3200x2000 @60Hz Support 1 HDMI maximum resolution 1920x1080 @60Hz maximum data rate 1.65G b per second Supports 1 18/24 -bit single channel or dual channel LVDS
network card	Support 2 intel 10/100/1000Mbit Ethernet, support AMT9.5 (Intel® Clarkville i218LM and i5 , i7)
SATA	2 SATA 1.0/2.0/3.0 standard interfaces, supporting RAID 0,1,5 Support 1 mSATA
mPCIe	Support 1 mPCIe
USB	Support 4 USB3.0/2.0 (front) Supports 4 USB2.0 ports (3 of which are built-in and 1 mPCIe interface is occupied)
serial port	2 RS232 (5 lines), 3 RS232 (3 lines) , 1 RS232 (3 lines) or RS422 or RS485 optional
IO	Supports 8 GPIOs (front)
sound card	ALC662 high-fidelity sound card (Line-in, Line-out, Mic-in)
power supply	+ 9V ~+ 19V , + 12V is recommended
temperature	Operating temperature -20° C to +75° C (-40° C to +80° C optional)
size	146 mm x 101.6 mm
Heat dissipation	Fanless design (fan optional)

operating system	Win7, Win8, WES7, WES8, Linux , VxWorks

Ordering Information	
model	**describe**
PCM-H351-A10-X	Display : 1x HDMI, 1x DP, 1x 18bit single channel LVDS
PCM-H351-A11-X	Display : 1x HDMI, 1x DP, 1x 24bit dual channel LVDS
PCM-H351W-A10-X	Display : 1x HDMI, 1x DP, 1x 18bit single channel LVDS Temperature :-40°C to +80°C
PCM-H351W-A11-X	Display : 1x HDMI, 1x DP, 1x 24 bit dual channel LVDS Temperature :-40°C to +80°C
annotation : The _	