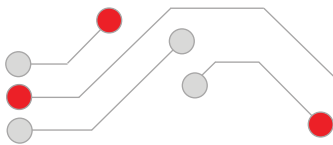




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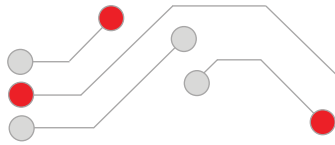


# CHD ADE-70AB

CHD 8770 POS motherboard

## Specification

<b>CPU</b>	Intel® SkyLake Core™ i5-6500TE LGA1151 CPU Socket 35W CPU
<b>BIOS</b>	AMI UEFI BIOS with 128 Mb SPI Flash ROM support AMT11.0
<b>PCH</b>	Intel® GL82Q170 PCH
<b>I/O Control</b>	ITE IT8786E-I
<b>System Memory</b>	1x DDR4 SO-DIMM 260-pin socket support • DDR4 (1.2V) 2130MHz Max. up to 16 GB memory
<b>Storage</b>	2x SATA 3.0
<b>Watchdog Timer</b>	Reset; 1 sec.~255 min. and 1 sec. or 1 min. / step
<b>Wake On</b>	• Wake On LAN, Wake On Time, Wake On USB, • Wake On RI (external COM)
<b>H/W Status Monitor</b>	• One four-wire fan connector • Monitoring CPU and system temperature, voltage status
<b>TPM</b>	INFINEON , SLB9665TT2.0 Security chip
<b>Battery</b>	CR2032, 220mAh (Lithium coin cell)
<b>Expansion</b>	One mini PCIe slot, support PCIe x1, USB Full/half size & co-layout mSATA
<b>Graphic</b>	
<b>Graphics Controller</b>	Intel® SkyLake Integrated, Gen 9.0 • Support DirectX 12.0, DirectX 11.2, DirectX 11.1, DirectX 11, DirectX 10.1, DirectX 10, DirectX 9 and OpenGL* 4.4 • Support Full AVC/VC1/MPEG2 HW Decode, Encode/transcode HD content • Support High-bandwidth Digital Content Protection (HDCP 1.4 key)
<b>DP to LVDS Controller</b>	REALTEK RTD2136, support dual channel 48-bit LVDS
<b>Display Interface</b>	Displays support for LVDS (internal display) and HDMI (secondary monitor)



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## Specification

External I/O	
<b>LAN</b>	1x RJ-45 (with two LED indicators)
<b>Cash drawer</b>	1x RJ-11 * Cash drawer port with 2A resettable fuse protection; 12V/ 24V with jumper select (Default 24V)
<b>USB 2.0/3.0</b>	Support for High Speed USB devices 2 x stack USB; 2x USB2.0 2x USB3.0 * 5V VBUS on all ports are protected by resettable fuses (500mA max. each port for USB2.0 and 900mA max. each port for USB3.0 port) on MB * Support USB wakeup functional
<b>Video Interface</b>	1x HDMI (2K)
<b>Audio</b>	1x audio combo jack, Line out & Mic.
<b>COM1 &amp; COM2</b>	2x RJ48 serial ports (Standard ports without power)
<b>COM3 &amp; COM4</b>	2x RJ48 serial Ports (with two LED indicators) * Pin 9 BIOS selection for 5V/12V/RI, 5V & 12V (Max. : 0.5A output with resettable fuse), RI as default
<b>Power connector (Input)</b>	1x 19Vdc Input (Mini DIN 4P Female connector with lock)
<b>Power connector (Output)</b>	1x 12Vdc/1.0A max. Output (DC Jack 2.5mm) * 12Vdc out can be disable at S3 mode select by BIOS, default setting - enabled
Internal I/O	
<b>SATA</b>	2x SATA3.0 (6 Gb/s)
<b>SATA Power</b>	2x (1x4) 2.0mm wafer
<b>Mini PCIe</b>	1x half size card with USB 2.0 port or half size mSATA (co-layout)
<b>LVDS</b>	1x (2x20) 1.25mm pin-header; support dual channel 48-bit LVDS
<b>Backlight power</b>	1x (1x5) 2.0mm wafer (VCC, GND, Enable, DIMM) ● JST-B5B-PH-K-S(LF)(SN) or equivalent part
<b>USB</b>	3x (1x5) 2.0mm wafer, supports 3x USB 2.0 for POS peripheral x2 and Touch x1 ● B4B-PH-K-S(LF)(SN) or equivalent part * USB1 reserved for CHD FM3 Fiscal module, don't use for other devices
<b>Audio</b>	1x (1x4) 2.0mm wafer for Speaker with 2W + 2W amplifier ● B4B-PH-K-S(LF)(SN) or equivalent part
<b>Fan Power</b>	1x (1x4) 2.54mm pin-header for CPU fan with PWM function ● HF0804-M2H10_03Z or equivalent part
<b>CMOS Clear</b>	1x (1x3) 2.0mm pin-header
Ethernet	
<b>PHY</b>	Intel® I219-LM 10/100/1000 Gigabit Ethernet PHY with AMT11.0 IEEE 802.3 10BASE-T / 100BASE-TX / 1000BASE-T compliant with 7+ year embedded support
<b>Interface</b>	PCIe x1
Audio	
<b>HDAC</b>	Realtek® ALC269Q-VC High Definition Audio Codec
<b>PC Buzzer</b>	Standard PC buzzer on board
Power	
<b>Power connector</b>	Mini DIN 4-pin power connector with lock, 19V DC input