



特点:

- 模块化设计 15~27"可选,支持方屏/宽屏
- 十点触摸电容屏
- 全塑模具中框,前面板 IP65 设计
- 支持 Intel® 4/5th Gen Core / Pentium/ Celeron Desktop CPU, TDP 65W
- 搭配 Intel® H81 芯片组
- 2 个 Intel 千兆网络接口和 4 个 DB9 串口
- M.2 和 2.5 寸双硬盘位存储支持
- 4 路显示输出 VGA,DVI-D,DP++和内部 LVDS,最高支持 4K@60Hz 分辨率
- 9~36V 直流供电 (可选 12V)
- 嵌入式/VESA 安装



远程管理



状态监控



远程运维



安全控制

产品规格

Model	PH150CL-E7S	PH156CL-E7S	PH170CL-E7S	PH185CL-E7S	PH190CL-E7S	PH215CL-E7S	PH238CL-E7S	PH270CL-E7S	
LCD	Display Size	15.0"	15.6"	17.0"	18.5"	19.0"	21.5"	23.8"	27"
	Display Type	XGA TFT-LCD	WXGA TFT-LCD	SXGA TFT-LCD	WXGA TFT-LCD	SXGA TFT-LCD	FHD TFT-LCD	FHD TFT-LCD	FHD TFT-LCD
	Max.Resolution	1024 x 768	1920 x 1080	1280 x 1024	1366 x 768	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1080
	Aspect Ratio	4:03	16:09	5:04	16:09	5:04	16:09	16:09	16:09
	Viewing Angle	89/89/89/89	85/85/85/85	85/85/80/80	85/85/80/80	85/85/80/80	89/89/89/89	89/89/89/89	89/89/89/89
	Luminance	350 cd/m2	220 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	300 cd/m2
	Contrast Ratio	1000:01:00	800:01:00	1000:01:00	1000:01:00	1000:01:00	1000:01:00	1000:01:00	3000:01:00
	Backlight Lifetime	50,000 Hrs	50,000 Hrs	50,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs
Touchscreen	Touch Type	Projected Capacitive Touch							
	Controller	USB Signal							
	Input	Finger/Capacitive Touch Pen							
	Light Transmission	≥85%							
	Hardness	≥6H							
Processor System	CPU	Intel® 4/5th Generation Core / Pentium/ Celeron Desktop CPU							
	TDP	65W							
	Socket	LGA1150							
	Chipset	Intel® H81							
	BIOS	AMI UEFI BIOS (Support Watchdog Timer)							
Memory	Socket	2 * Non-ECC SO-DIMM Slot, Dual Channel DDR3 up to 1600MHz							
	Max Capacity	16GB, Single Max. 8GB							
Graphics	Controller	Intel® HD Graphics							
Ethernet	Controller	1 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps) 1 * Intel i218-LM/V GbE LAN Chip (10/100/1000 Mbps)							
Storage	SATA	1 * SATA3.0, Quick release 2.5" hard disk bays (T≤7mm) 1 * SATA2.0, Internal 2.5" hard disk bays (T≤9mm, Optional)							
	M.2	1 * M.2 Key-M (SATA3.0, 2280)							
Expansion Slots	MXM/aDoor	1 * APQ MXM (Optional MXM 4 * LAN/4 * POE/6 * COM/16 * GPIO expansion card) 1 * aDoor Expansion Slot							
	Mini PCIe	1 * Mini PCIe (PCIe2.0 x1 (Share PCIe signal with MXM, optional) + USB 2.0, with 1*Nano SIM Card)							
Front I/O	Ethernet	2 * RJ45							
	USB	2 * USB3.0 (Type-A, 5Gbps) 4 * USB2.0 (Type-A)							
	Display	1 * DVI-D: max resolution up to 1920*1200 @ 60Hz 1 * VGA (DB15/F): max resolution up to 1920*1200 @ 60Hz 1 * DP: max resolution up to 4096*2160 @ 60Hz							
	Audio	2 * 3.5mm Jack (Line-Out + MIC)							
	Serial	2 * RS232/422/485 (COM1/2, DB9/M, Full Lanes, BIOS Switch) 2 * RS232 (COM3/4, DB9/M)							
	Button	1 * Power Button + Power LED 1 * System Reset Button (Hold down 0.2 to 1s to restart, and hold down 3s to clear CMOS)							
Rear I/O	Antenna	4 * Antenna hole							
	SIM	1 * Nano SIM card slot (SIM1)							
Internal I/O	USB	2 * USB2.0 (wafer)							
	LCD	1 * LVDS (wafer): max resolution up to 1920*1200 @ 60Hz							
	TFront Panel	1 * TF_Panel (3 * USB 2.0 + FPANEL, wafer)							
	Front Panel	1 * Front Panel (PWR + RST + LED, wafer)							
	Speaker	1 * Speaker (2-W (per channel)/8-Ω Loads, wafer)							
	Serial	2 * RS232 (COM5/6, wafer)							
	GPIO	1 * 16 bits DIO (8xDI and 8xDO, wafer)							
	LPC	1 * LPC (wafer)							
	SATA	2 * SATA 7P Connector							
	SATA Power	2 * SATA Power (SATA_PWR1/2, wafer)							
FAN	1 * CPU FAN (wafer) 2 * SYS FAN (wafer)								

Power Supply	Type	DC, AT/ATX							
	Power Input Voltage	9 ~ 36VDC, P≤240W							
	Connector	1 * 4Pin Connector, P=5.00/5.08							
	RTC Battery	CR2032 Coin Cell							
OS Support	Windows	Windows 7/10/11							
	Linux	Linux							
Watchdog	Output	System Reset							
	Interval	Programmable via Software from 1 to 255 sec							
Mechanical	Enclosure Material	Radiator: Aluminum alloy, Box: SGCC							
	Mounting	VESA, embedded							
	Dimensions (L * W * H, Unit: mm)	359*283*89.5	401.5*250.7*86.4	393*325.6*89.5	464.9*285.5*89.4	431*355.8*89.5	582.3*323.7*89.4	585.4*357.7*89.4	662.3*400.9*89.4
	Weight	Net: 7.4Kg Total: 8.9Kg	Net: 7.5Kg Total: 9.0Kg	Net: 8.4Kg Total: 9.9Kg	Net: 8.5Kg Total: 10.0Kg	Net: 9.3Kg Total: 10.8Kg	Net: 9.5Kg Total: 11.0Kg	Net: 11.1Kg Total: 12.6Kg	Net: 12.2Kg Total: 13.7Kg
Environment	Heat Dissipation System	PWM Fan Cooling							
	Operating Temperature	0~50°C							
	Storage Temperature	-20~60°C							
	Relative Humidity	10 to 95% RH (non-condensing)							
	Vibration During Operation	With SSD: IEC 60068-2-64 (1Grms@5~500Hz, random, 1hr/axis)							
	Shock During Operation	With SSD: IEC 60068-2-27 (15G, half sine, 11ms)							

产品尺寸

A	System Dimension				Panel Mount							
	X1	Y1	Z1	X2	Y2	Z2	X3	Y3	X4	Y4	F1	
15.0"	359	283	89.5	371.2	295.1	21.8	382.2	306.1	349.7	273.7	6.5	
15.6"	401.5	250.7	86.4	413.9	263.1	18.7	424.9	274.1	389.1	238.3	6	
17.0"	393	325.6	89.5	405.2	337.8	21.8	416.2	348.8	383	315.5	6	
18.5"	464.9	285.5	89.4	476.9	297.5	21.7	487.9	308.5	454.3	274.9	6	
19.0"	431	355.8	89.5	443.2	367.9	21.8	454.2	378.9	420.5	345.2	6	

A	System Dimension				Panel Mount							
	X1	Y1	Z1	X2	Y2	Z2	X3	Y3	X4	Y4	X5	F1
21.5"	532.3	323.7	89.4	130	335.8	21.7	544.4	346.8	555.4	313.1	521.6	6
23.8"	585.4	357.7	89.4	130	369.8	21.7	597.5	380.8	608.5	347.1	574.8	6
27.0"	662.3	400.9	89.4	190	413.2	21.7	674.6	424.2	685.6	390.5	651.9	6

产品 I/O

