

### 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® 6~9th Gen Core / Pentium/ Celeron Desktop CPU, TDP 65W
- 搭配 Intel® Q170 芯片组
- 2 个 Intel 千兆网络接口和 4 个 DB9 串口
- M.2 和 2.5 寸硬盘位存储支持
- 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



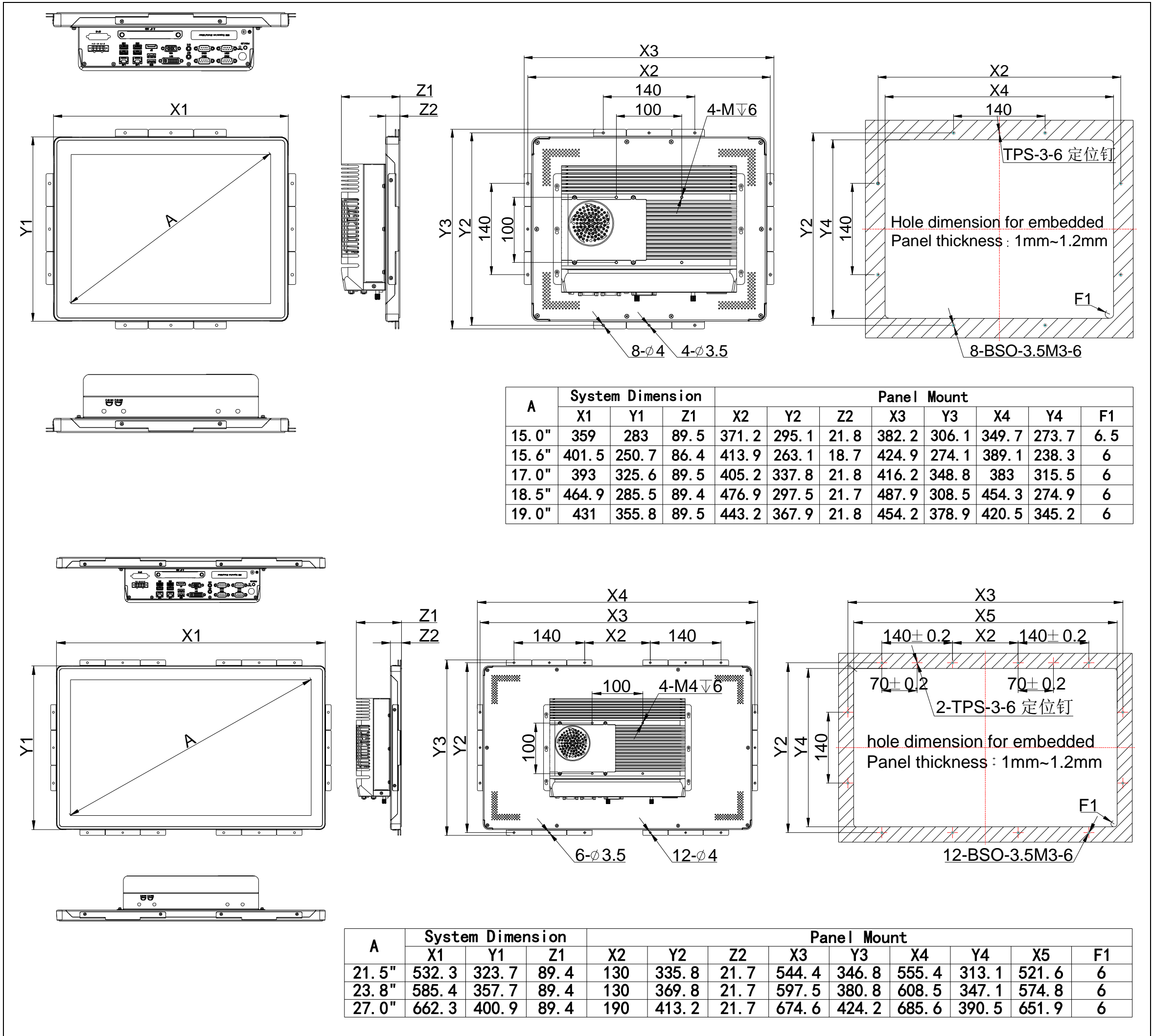
安全控制

## 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	4:3	16:9	5:4	16:9	5:4	16:9	16:9	16:9
	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	1000:1	800:1	1000:1	1000:1	1000:1	1000:1	1000:1	3000:1
	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%							
Touchscreen	Hardness	≥6H							
	Touch Type	Projected Capacitive Touch							
	Controller	USB signal							
	Input	Finger/Capacitive Touch Pen							
Processor System	Light Transmission	≥85%							
	Hardness	≥6H							
	CPU	Intel® 6/7/8/9th Generation Core / Pentium/ Celeron Desktop CPU							
	TDP	65W							
	Socket	LGA1151							
Memory	Chipset	Q170							
	BIOS	AMI UEFI BIOS (Support Watchdog Timer)							
Graphics	Socket	2 * Non-ECC SO-DIMM Slot, Dual Channel DDR4 up to 2133MHz							
	Max Capacity	64GB, Single Max. 32GB							
Ethernet	Controller	Intel® HD Graphics							
	Controller	1 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps) 1 * Intel i219-LM/V GbE LAN Chip (10/100/1000 Mbps)							
Storage	SATA	1 * SATA3.0, Quick release 2.5" hard disk bays (T≤7mm) 1 * SATA3.0, Internal 2.5" hard disk bays (T≤9mm, Optional) Support RAID 0, 1							
	M.2	1 * M.2 Key-M (PCIe x4 Gen 3 + SATA3.0, NVMe/SATA SSD Auto Detect, 2242/2260/2280)							
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 (PCIe x1 Gen 2 + USB 2.0, with 1 * SIM Card)							
	M.2	1 * M.2 Key-B (PCIe x1 Gen 2 + USB3.0, with 1 * SIM Card, 3042/3052)							
Front I/O	Ethernet	2 * RJ45							
	USB	6 * USB3.0 (Type-A, 5Gbps)							
	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	2 * Nano SIM card slots							
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	6/7th Core™: Windows 7/10/11 8/9th Core™: Windows 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
Environment	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
	Heat Dissipation System	PWM FAN Cooling							
	Operating Temperature	0~50℃							
Environment	Storage Temperature	-20~60℃							
	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



# 产品 I/O

