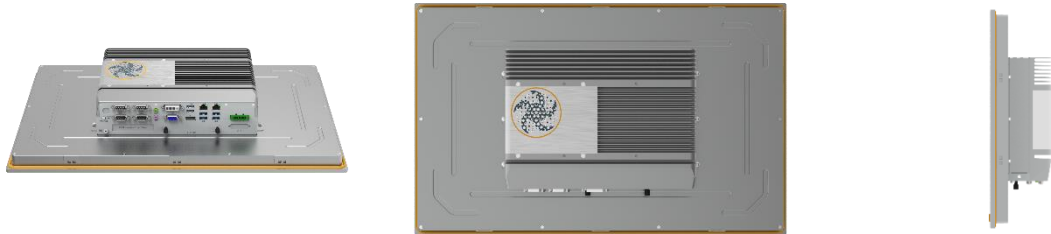




特点:

- 全屏电阻触摸屏设计
- 模块化设计 12.1~21.5"可选,支持方屏/宽屏
- 前面板满足 IP65 要求
- 前面板集成 USB Type-A 和信号指示灯
- 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 | | PL121RQ-E7S | PL150RQ-E7S | PL156RQ-E7S | PL170RQ-E7S | PL185RQ-E7S | PL191RQ-E7S | PL215RQ-E7S |
|------------------|---------------------|--|------------------|--------------|--------------|--------------|--------------|--------------|
| LCD | Display Size | 12.1" | 15.0" | 15.6" | 17.0" | 18.5" | 19.1" | 21.5" |
| | Display Type | XGA TFT-LCD | XGA TFT-LCD | FHD TFT-LCD | SXGA TFT-LCD | WXGA TFT-LCD | WXGA TFT-LCD | FHD TFT-LCD |
| | Max.Resolution | 1024 x 768 | 1024 x 768 | 1920 x 1080 | 1280 x 1024 | 1366 x 768 | 1440 x 900 | 1920 x 1080 |
| | Luminance | 350 cd/m2 | 300 cd/m2 | 350 cd/m2 | 250 cd/m2 | 250 cd/m2 | 250 cd/m2 | 250 cd/m2 |
| | Aspect Ratio | 4:3 | 4:3 | 16:9 | 5:4 | 16:9 | 16:10 | 16:9 |
| | Viewing Angle | 80/80/80/80° | 88/88/88/88° | 89/89/89/89° | 85/85/80/80° | 89/89/89/89° | 85/85/80/80° | 89/89/89/89° |
| | Max. Color | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M |
| | Backlight Lifetime | 30,000 hr | 70,000 hr | 50,000 hr | 30,000 hr | 30,000 hr | 30,000 hr | 50,000 hr |
| | Contrast Ratio | 800:1 | 2000:1 | 800:1 | 1000:1 | 1000:1 | 1000:1 | 1000:1 |
| Touchscreen | Touch Type | 5-wire resistive touch | | | | | | |
| | Controller | USB signal | | | | | | |
| | Input | finger/touch pen | | | | | | |
| | Light Transmission | ≥78% | | | | | | |
| | Hardness | ≥3H | | | | | | |
| Processor System | CPU | Intel® 6/7/8/9th Generation Core / Pentium/ Celeron Desktop CPU | | | | | | |
| | TDP | 65W | | | | | | |
| | Socket | LGA1151 | | | | | | |
| | Chipset | Q170 | | | | | | |
| | BIOS | AMI UEFI BIOS (Support Watchdog Timer) | | | | | | |
| Memory | Socket | 2 * Non-ECC SO-DIMM Slot, Dual Channel DDR4 up to 2133MHz | | | | | | |
| | Max Capacity | 64GB, Single Max. 32GB | | | | | | |
| Graphics | Controller | Intel® HD Graphics | | | | | | |
| Ethernet | 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) | 321.9*260.5*95.7 | 380.1*304.1*95.7 | 420.3*269.7*95.7 | 414*346.5*95.7 | 485.7*306.3*95.7 | 484.6*332.5*95.7 | 550*344*95.7 |
| | eight | Net: 6.6 kg Total: 8.1 kg | Net: 8.0 kg Total: 9.5 kg | Net: 7.9 kg Total: 9.6 kg | Net: 8.8 kg Total: 10.3 kg | Net: 8.7 kg Total: 10.2 kg | Net: 10.0 kg Total: 11.5 kg | Net: 9.6 kg Total: 11.1 kg |
| Environment | Heat Dissipation System | PWM Fan Cooling | | | | | | |
| | Operating Temperature | -20~60°C | -20~60°C | -20~60°C | -20~60°C | -20~60°C | 0~50°C | 0~50°C |
| | Storage Temperature | -20~60°C | -20~70°C | -30~80°C | -30~70°C | -30~70°C | -20~60°C | -20~60°C |
| | Relative Humidity | 5 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 | Z3 | F1 | F2 | |
| 12.1" | 321.9 | 260.5 | 95.7 | 307 | 245.6 | 28 | 309.8 | 248.4 | 8 | 7.1 | 8.5 | |
| 15.0" | 380.1 | 304.1 | 95.7 | 364.2 | 288.2 | 28 | 367 | 291 | 8 | 7.1 | 8.5 | |
| 15.6" | 420.3 | 269.7 | 95.7 | 404.5 | 253.8 | 28 | 407.3 | 256.6 | 8 | 7.1 | 8.5 | |
| 17.0" | 414 | 346.5 | 95.7 | 398.2 | 330.6 | 28 | 401 | 333.4 | 8 | 7.1 | 8.5 | |
| 18.5" | 485.7 | 306.3 | 95.7 | 469.8 | 290.4 | 28 | 472.6 | 293.2 | 8 | 7.1 | 8.5 | |
| 19.1" | 484.6 | 332.5 | 95.7 | 468.7 | 316.6 | 28 | 471.5 | 319.4 | 8 | 7.1 | 8.5 | |
| 21.5" | 550 | 344 | 95.7 | 538.7 | 327.7 | 28 | 539.5 | 330.9 | 8 | 7.1 | 8.5 | |

产品 I/O

Front Panel I/O:

- 2.5 Disk
- DC IN
- LAN*2
- USB 3.0*4
- DP
- VGA
- Audio
- COM4/3
- COM2/1
- Reset
- aDoor/MXIM
- PWR/LED
- GND

Rear Panel I/O:

- CPU FAN
- Nano SIM