# PPC-F H81 Series

New

## Intelligent Industrial Panel PC

- Support IEI iRIS-2400 IEI remote intelligent solution
- Scalable Intel® H81 chipset supports LGA1150 Intel® 4th generation Core™ i7/i5/i3, Pentium® or Celeron® processor with up to 65W TDP
- Robust IP65 aluminum front bezel
- Aesthetic ultra-thin bezel for seamless panel mount installation
- Projected capacitive multi-touch
- Dual full-size PCIe Mini card expansion
- AC/DC power input options (DC model by build to order manufacturing)

iRIS™ IPMI 2.0 Compliant | FHD | Multi-touch | IP65 | PCIe Mini | USB 3.0 | MOUNT

## Specifications

| Model | | PPC-F15A | PPC-F17A | PPC-F22A | PPC-F24A |
|---|---|---|---|---|---|
| LCD | LCD Display | 15" (4:3) | 17" (5:4) | 21.5" (16:9) | 24" (16:9) |
| | Max. Resolution | 1024(W) x 768(H) | 1280(W) x 1024(H) | 1920(W) x 1080(H) | 1920(W) x 1080(H) |
| | Brightness (cd/m²) | 400 | 350 | 250 | 250 |
| | Contrast Ratio | 700 : 1 | 800 : 1 | 1000 : 1 | 3000 : 1 |
| | LCD Color | 16.2M | 16.7M | 16.7M | 16.7M |
| | Pixel Pitch (mm) | 0.29 x 0.29 | 0.26 x 0.26 | 0.25 x 0.25 | 0.28 x 0.28 |
| | Viewing Angle (H-V) | 160° / 140° | 170° / 160° | 170° / 160° | 178° / 178° |
| | Backlight MTBF (hrs) | 50000 | 50000 | 30000 | 30000 |
| Motherboard | SBC Model | FPPCMB-H81-R10 | | | |
| | CPU | LGA1150 Intel® 4th generation Core™ i7/i5/i3, Pentium® or Celeron® processor with up to 65W TDP | | | |
| | Chipset | Intel® H81 | | | |
| | RAM | Support 2 x 204-pin 1066/1333/1600 MHz dual-channel DDR3 SO-DIMM slots (max. 16GB) | | | |
| Touch | Touchscreen & Controller | 5-wire resistive type single touch window (Penmount 6000), 3H<br>2-point projected capacitive touch window (EETI EXC7200), 6H | | 2-point projected capacitive touch window (EETI EXC7200), 6H | 2-point projected capacitive touch window (EETI EXC7200), 6H |
| Input Interfaces | I/O Ports & Switch | 2 x RJ-45 LAN Port<br>2 x USB 3.0<br>4 x USB 2.0<br>1 x HDMI output<br>4 x RS-232<br>1 x RS-422/485 | | 1 x VGA output<br>1 x AC/DC power plug<br>(DC model is by build to order manufacturing)<br>1 x AT/ATX switch<br>1 x Clear CMOS<br>1 x Reset button<br>1 x Power switch | |
| | Expansion | 1 x Full-size PCIe Mini card<br>1 x Full-size PCIe Mini card co-lay mSATA (SATA2 only) | | | |
| Drive Bay | | 1 x 2.5" HDD/SSD drive bay | | 1 x 2.5" HDD/SSD drive bay or 1 x 3.5" HDD/SSD drive bay | |
| iRIS Remote Management Solution | | iRIS-2400 (optional) | | | |
| Physical | Construction Material | Aluminum front cover and sheet metal rear cover | | | |
| | Mounting | Panel mount, rack mount, 100x100 VESA mount | | Panel mount, 100x100 VESA mount | |
| | Enclosure Color | Black C | | | |
| | Dimensions (mm) | 303 x 378.5 x 65.7 | 341.4 x 408.4 x 73.8 | 350.4 x 550.4 x 71.7 | 382 x 600 x 71.7 |
| | Cutout Dimensions (mm) | 285.6 x 361.1 | 323 x 390 | 341 x 536 | 359.6 x 580.4 |
| | Net/ Gross Weight (kg) | 5.6/ 8.3 | 7.5/10.7 | 10.1/14.4 | 10.5/14.8 |
| Environment | Operating Temperature (with air flow) | -10°C ~ 50°C | | | |
| | Storage Temperature | -20°C ~ 60°C | | | |
| | Humidity | 10% to 95% (non-condensing) | | | |
| | IP Level | Front IP 65 | | | |
| | Safety and EMC | CE & FCC certified | | | |
| Power Supply | AC Input | AC input ATX power supply<br>- P/N: ACE-A662B-RS-10<br>- 220W power supply<br>- Input: 90VAC-264VAC, 50/60Hz<br>- Output (max.): 3.3V@14A, 5V@16A, 12V1@16A, 12V2@10A, -12V@0.8A | | | |
| | DC Input (produced by order) | DC input ATX power supply<br>- P/N: ACE-4520C-RS<br>- 200W power supply<br>- Input: 24VDC, 15A (max)<br>- Output (max.): 3.3V@12A, 5V@12A, 12V@15.4A, -12V@0.5A | | | |
| Power Consumption | | 80W | 100W | 110W | 120W |

# Ordering Information

| Part Number | | Description |
|---|---|---|
| 15” | PPC–F15AA–H81i-P/4G/R-R10 | 15” 400 cd/m² XGA panel PC with Intel® H81 chipset, Intel® Pentium® G3220 dual-core processor (3M cache, 3.00 GHz), TDP 53W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, resistive touch window, R10 |
| | PPC–F15AA–H81i-i3/4G/R-R10 | 15” 400 cd/m² XGA Panel PC with Intel® H81 chipset, Core™ i3 Dual Core i3-4330 Processor (4M cache, 3.50 GHz), TDP 54W, 2GB RAM*2, support iRIS-2400, black color, PSU ACE-A622A, resistive touch window, R10 |
| | PPC–F15AA–H81i-i5/4G/R-R10 | 15” 400 cd/m² XGA panel PC with Intel® H81 chipset, Intel® Core™ i3-4330 dual-core processor (6M cache, up to 3.60 GHz), TDP 65W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, resistive touch window, R10 |
| | PPC–F15AA–H81i-P/4G/PC-R10 | 15” 400 cd/m² XGA Ppanel PC with Intel® H81 chipset, Intel® Pentium® G3220 dual-core processor (3M cache, 3.00 GHz), TDP 53W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projected capacitive touch window, R10 |
| | PPC–F15AA–H81i-i3/4G/PC-R10 | 15” 400 cd/m² XGA panel PC with Intel® H81 chipset, Intel® Core™ i3-4330 dual-core processor (4M cache, 3.50 GHz), TDP 54W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projected capacitive touch window, R10 |
| | PPC–F15AA–H81i-i5/4G/PC-R10 | 15” 400 cd/m² XGA panel PC with Intel® H81 chipset, Intel® Core™ i5-4570S quad-core processor (6M cache, up to 3.60 GHz), TDP 65W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projected capacitive touch window, R10 |
| 17” | PPC–F17AA–H81i-P/4G/R-R10 | 17” 350 cd/m² SXGA panel PC with Intel® H81 chipset, Intel® Pentium® G3220 dual-core processor (3M cache, 3.00 GHz), TDP 53W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, resistive touch window, R10 |
| | PPC–F17AA–H81i-i3/4G/R-R10 | 17” 350 cd/m² SXGA panel PC with Intel® H81 chipset, Intel® Core™ i3-4330 dual-core processor (4M cache, 3.50 GHz), TDP 54W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, resistive touch window, R10 |
| | PPC–F17AA–H81i-i5/4G/R-R10 | 17” 350 cd/m² SXGA panel PC with Intel® H81 chipset, Intel® Core™ i5-4570S quad-core processor (6M cache, up to 3.60 GHz), TDP 65W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, resistive touch window, R10 |
| | PPC–F17AA–H81i-P/4G/PC-R10 | 17” 350 cd/m² SXGA panel PC with Intel® H81 chipset, Intel® Pentium® G3220 dual-core processor (3M cache, 3.00 GHz), TDP 53W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projective projected touch window, R10 |
| | PPC–F17AA–H81i-i3/4G/PC-R10 | 17” 350 cd/m² SXGA panel PC with Intel® H81 chipset, Intel® Core™ i3-4330 dual-core processor (4M cache, 3.50 GHz), TDP 54W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projective projected touch window, R10 |
| | PPC–F17AA–H81i-i5/4G/PC-R10 | 17” 350 cd/m² SXGA panel PC with Intel® H81 chipset, Intel® Core™ i5-4570S quad-core processor (6M cache, up to 3.60 GHz), TDP 65W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projected capacitive touch window, R10 |
| 21.5” | PPC-F22AA-H81i-P/4G/PC-R11 | 21.5” 250 cd/m² FHD Panel PC with Intel H81 chipset, Intel® Pentium® Processor G3420 (3M Cache, 3.20 GHz), TDP 53W, 2GB RAM*2, support iRIS-2400, black color, PSU ACE-A622B, projective capacitive touch window, R11 |
| | PPC-F22AA-H81i-i3/4G/PC-R11 | 21.5” 250 cd/m² FHD Panel PC with Intel H81 chipset, Core i3 Dual Core i3-4330 Processor (4M Cache, 3.50 GHz), TDP 54W, 2GB RAM*2, support iRIS-2400, black color, PSU ACE-A622B, projective capacitive touch window, R11 |
| | PPC-F22AA-H81i-i5/4G/PC-R11 | 21.5” 250 cd/m² FHD Panel PC with Intel H81 chipset, Core i5 Quad Core i5-4570S Processor (6M Cache, up to 3.60 GHz), TDP 65W, 2GB RAM*2, support iRIS-2400, black color, PSU ACE-A622B, projective capacitive touch window, R11 |
| 24” | PPC–F24AA–H81i-P/4G/PC-R10 | 24” 250 cd/m² FHD panel PC with Intel® H81 chipset, Intel® Pentium® G3220 dual-core processor (3M cache, 3.00 GHz), TDP 53W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projective projected touch window, R10 |
| | PPC–F24AA–H81i-i3/4G/PC-R10 | 24” 250 cd/m² FHD panel PC with Intel® H81 chipset, Intel® Core™ i3-4330 dual-core processor (4M cache, 3.50 GHz), TDP 54W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projected capacitive touch window, R10 |
| | PPC–F24AA–H81i-i5/4G/PC-R10 | 24” 250 cd/m² FHD panel PC with Intel® H81 chipset, Intel® Core™ i5-4570S quad-core processor (6M cache, up to 3.60 GHz), TDP 65W, 2GB RAM*2, supports iRIS-2400, black color, PSU ACE-A622A, projected capacitive touch window, R10 |

* DC power supply SKU is available with particular purchase, please contact sales team.

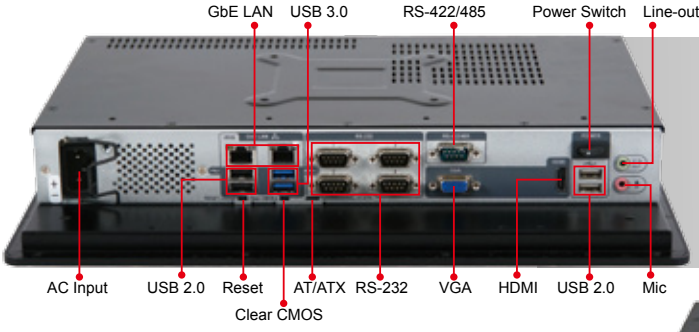
# Options

| Item | PPC-F15A | PPC-F17A | PPC-F22A | PPC-F24A |
|---|---|---|---|---|
| Arm | ARM-31-RS | ARM-31-RS | ARM-31-RS | ARM-31-RS |
| Stand | STAND-A21<br>STAND-A19-RS<br>STAND-C19-R10 | STAND-C19-R10<br>STAND-A21-R10 | STAND-C19-R10<br>STAND-A21-R10 | STAND-C19-R10<br>STAND-A21-R10 |
| Wall Mount Kit | WK-190MS-R10 | | | |
| Panel Mount Kit | FPK-04-R10 | | FPK-05-R10 | FPK-06-R10 |
| Rack Mount Kit | FRK15-R10 | FRK17-R10 | N/A | |
| Wi-Fi Kit | PPC-WL-KIT02-R11 | | PPC-WL-KIT03-R11 | |
| iRIS (IEI Remote Intelligent System) Kit | iRIS-2400-R10 | | | |

# Packing List

| Item | Q’ty | Remark |
|---|---|---|
| Driver CD | 1 | |
| One Key Recovery CD | 1 | |
| Power Cord | 1 | Depends on shipping region |
| Screw Kit | 1 | |
| Touch Pen | 1 | Resistive touch only |

## PPC-F15A

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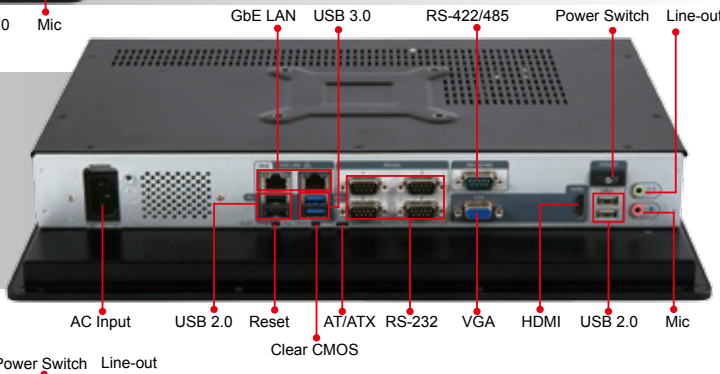


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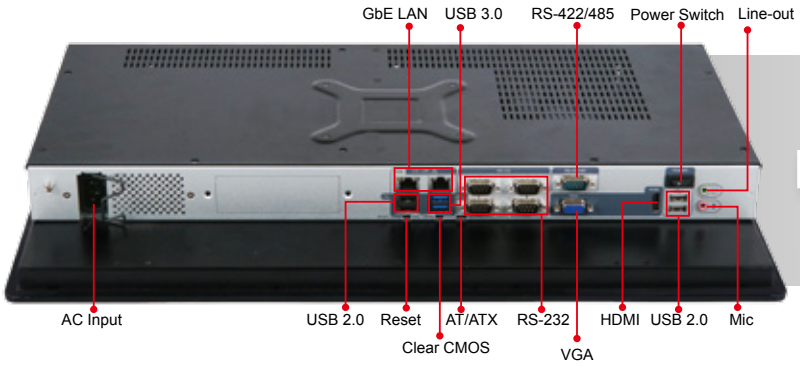


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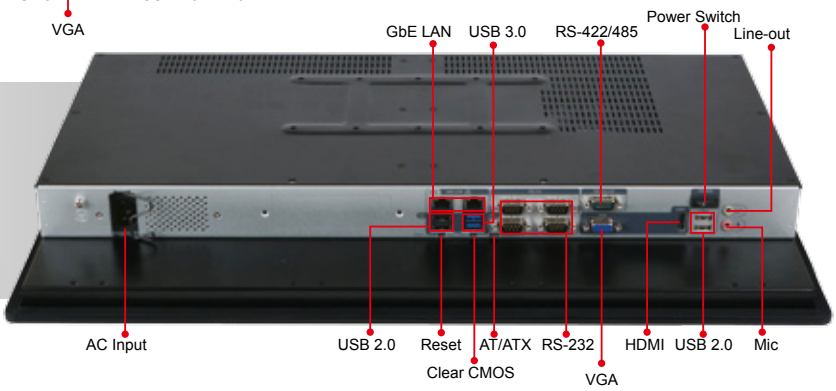
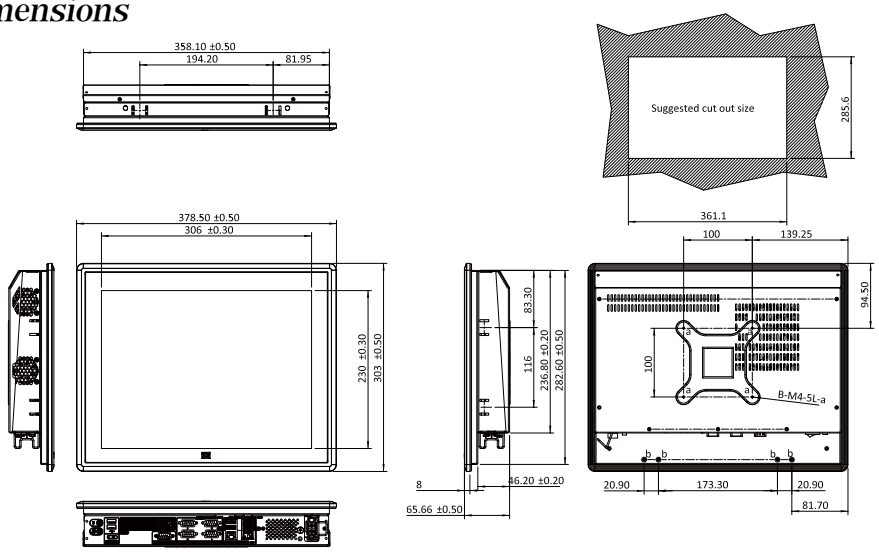



## *PPC-F15A Dimensions*

*(Unit: mm)*



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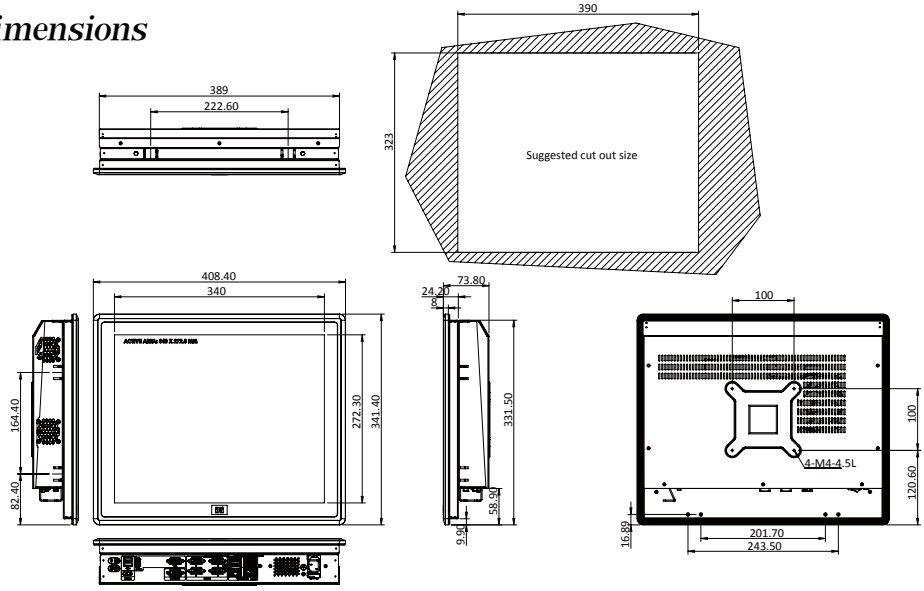
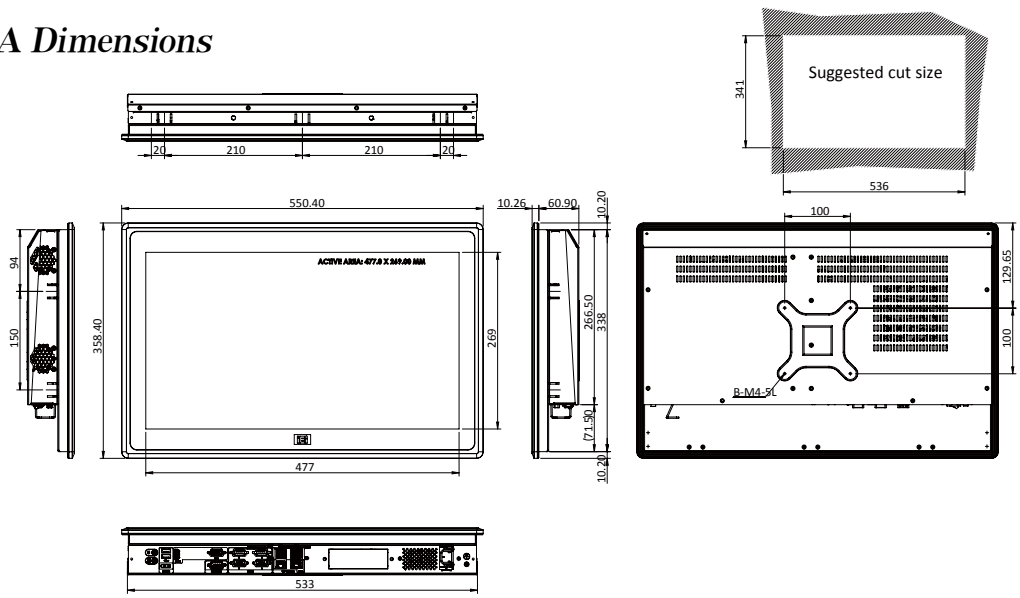
*(Unit: mm)*




## PPC-F22A Dimensions

*(Unit: mm)*

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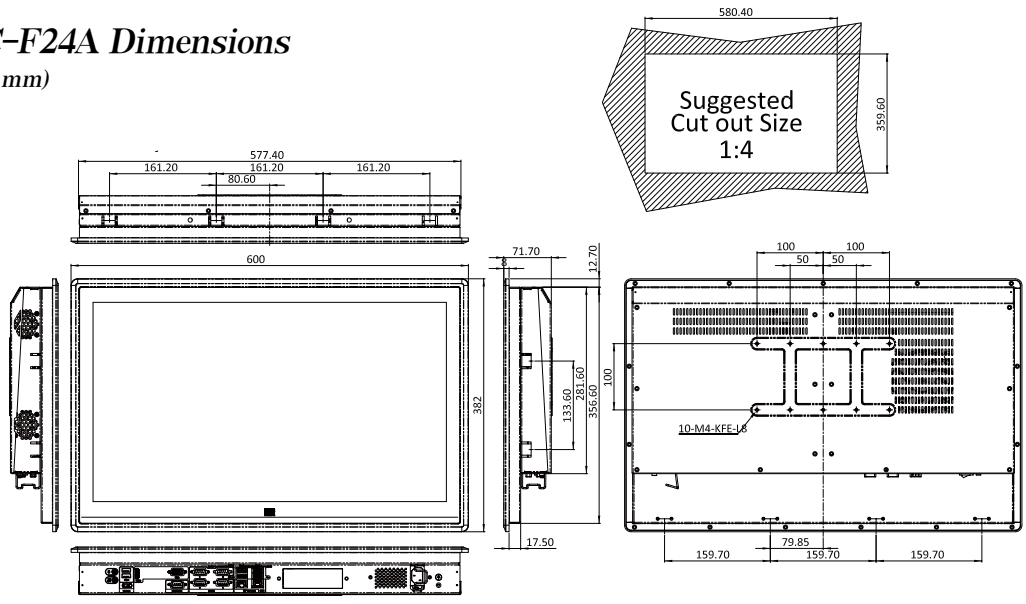
*(Unit: mm)*