

### Panel PCs (PPCs) and LCDs

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- Open Frame Panel PC
- Closed Frame Panel PC
- Rugged Panel PC
- Wide Temperature Panel PC
- Fanless Panel PC
- ARM or x86 Panel PC

EMAC is a global leader in industrial automation and HMI Panel PCs. We provide Panel PCs for embedded automation computers, automation controllers, remote i/o modules, and custom data acquisition solutions.

EMAC's Panel PCs are available ready to run with the Operating System installed on a flash disk or hard drive. Apply power and watch either the Windows or Linux User Interface appear on the vivid color LCD. Interact with the PPC using the responsive integrated touchscreen. Everything works out of the box, allowing you to concentrate on your application, rather than building and configuring device drivers. Just Write-It and Run-It.

Contact the EMAC Panel PC Sales Department for details on Sunlight Readable Panel PC, IP65 Panel PC, IP67 Panel PC, Panel PCs suitable for the Outdoors, Wide Voltage Panel PC, and/or Low Power Consumption Panel PC specifications. While the selection below is a

starting point, EMAC can offer many other Panel PC configurations, with the options of customization to best fit the project. Please contact

us with the project needs if the right system is not easily found.

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#### Open-Frame PPCs

| PRODUCT #                   | Video/<br>Touchscreen                                                           | CPU                                                        | Memory                                                         | Serial Ports                                                                                                                   | Disk<br>Interfaces                                                       | Bus                | Dimensions                                    | Other I/O                                                                                |
|-----------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------|-----------------------------------------------|------------------------------------------------------------------------------------------|
| <a href="#">DEV-SOM36</a>   | 4.3 " TFT<br>Color<br>WQVGA<br>LCD, 480 x<br>272, 4-Wire<br>Analog<br>Resistive | Atmel ARM<br>Cortex A5<br>ATSAMA5D36                       | 512 MB<br>of DDR2<br>SDRAM,<br>4GB<br>eMMC<br>Flash<br>Onboard | 2x RS-232, 1x<br>RS-<br>232/422/485<br>with Auto<br>RS485, 2x USB<br>2.0, CAN, SPI                                             | MicroSD                                                                  | None               | Open<br>Frame<br>PPC4.8"<br>×3" ×1.2"         | 10/100<br>DP83640<br>IEEE<br>1588 PTP<br>LAN &<br>GbE<br>Ethernet,<br>Audio,<br>16x GPIO |
| <a href="#">PPC-04-3354</a> | 4.3 " TFT<br>Color<br>WQVGA<br>LCD, 480 x<br>272, 4-Wire<br>Analog<br>Resistive | TI ARM Cortex<br>A8 based<br>Processor<br>AM3354,          | 512 MB<br>of DDR3<br>SDRAM,<br>4GB<br>eMMC<br>Flash<br>Onboard | 3x RS-232 with<br>handshaking, 1x<br>RS-<br>232/422/485<br>with Auto<br>RS485, high-<br>speed SPI with<br>chip selects,<br>I2C | SDIO<br>SDHC/<br>MMC<br>Flash<br>Disk                                    | None               | Open<br>Frame<br>PPC4.8"<br>×3" ×1.2"         | 10/100<br>Ethernet,<br>Audio,<br>16x GPIO                                                |
| <a href="#">HMI-043T-O</a>  | 4.3"<br>WQVGA<br>TFT LCD, 4-<br>wire Analog<br>Resistive<br>Touch<br>Screen     | DMP<br>Vortex86EXm<br>400MHz                               | up to<br>256MB<br>DDR3<br>onboard                              | 1x RS-232, 2x<br>RS-485,<br>1xCAN                                                                                              | SD Slot<br>or up to<br>2GB<br>eMMC<br>NAND<br>Flash<br>Memory<br>Onboard | Expansion<br>slots | Open<br>Frame<br>PPC4.15"<br>×2.65"<br>×0.54" | Ethernet,<br>2x<br>USB2.0,<br>1x 8-bit<br>GPIO                                           |
| <a href="#">PPC-07-3354</a> | 7" TFT<br>Color<br>WVGA<br>LCD, 800 x<br>480, 4-Wire<br>Analog<br>Resistive     | TI ARM Cortex<br>A8 based<br>Processor<br>AM3354<br>1.0GHz | 512 MB<br>of DDR3<br>SDRAM,<br>4GB<br>eMMC<br>Flash<br>Onboard | 3x RS232 & 1x<br>RS232/422/485<br>Port, 2x USB<br>2.0 Host, 1x<br>USB 2.0 OTG                                                  | SDIO<br>SDHC/<br>MMC<br>Flash<br>Disk                                    |                    | Open<br>Frame<br>PPC7.55"<br>×4.15"<br>×1.5"  | 1x 10/100<br>BaseT<br>Ethernet,<br>WiFi<br>802.11<br>b/g/n, I2S<br>Audio                 |

| PRODUCT #                    | Video/<br>Touchscreen | CPU             | Memory  | Serial Ports   | Disk<br>Interfaces | Bus       | Dimensions  | Other I/O  |
|------------------------------|-----------------------|-----------------|---------|----------------|--------------------|-----------|-------------|------------|
| <a href="#">PPC-07-5D36</a>  | 7" TFT                | Atmel ARM       | 512MB   | 3x RS232 & 1x  | SDIO               |           | Open        | 1x GbE     |
|                              | Color                 | Cortex A5       | LP DDR2 | RS232/422/485  | SDHC/              |           | Frame       | LAN,       |
|                              | WVGA                  | ATSAMA5D36      |         | Port, 2x USB   | MMC                |           | PPC7.55"    | WiFi       |
|                              | LCD, 800 x            |                 |         | 2.0 Host, 1x   | Flash              |           | ×4.15"      | 802.11     |
|                              | 480, 4-Wire           |                 |         | USB 2.0 OTG    | Disk               |           | ×1.5"       | b/g/n, 16x |
|                              | Analog                |                 |         |                |                    |           |             | GPIO       |
|                              | Resistive             |                 |         |                |                    |           |             | lines, I2S |
|                              |                       |                 |         |                |                    |           |             | Audio      |
| <a href="#">PPC-07-IMX6S</a> | 7" TFT                | NXP i.MX6       | 512MB   | 3x RS232 & 1x  | MicroSD,           | mini-PCIe | Open        | 1x GbE     |
|                              | Color                 | 1.0GHz ARM      | Onboard | RS232/422/485  | mSATA              | Socket    | Frame       | LAN,       |
|                              | WVGA                  | Solo Processor  | Memory  | Port, 2x USB   | Socket             | with SIM  | PPC7.55"    | WiFi       |
|                              | LCD, 800 x            |                 |         | 2.0 Host, 1x   |                    |           | ×4.15"      | 802.11     |
|                              | 480, 4-Wire           |                 |         | USB 2.0 OTG    |                    |           |             | b/g/n,     |
|                              | Analog                |                 |         |                |                    |           |             | bluetooth  |
|                              | Resistive,            |                 |         |                |                    |           |             | 4.1, 16x   |
|                              | HDMI, CSI,            |                 |         |                |                    |           |             | GPIO       |
|                              | DSI                   |                 |         |                |                    |           |             | lines      |
| <a href="#">PPC-07-IMX6M</a> | 7" TFT                | NXP i.MX6       | Up to   | 3x RS232 & 1x  | MicroSD,           | mini-PCIe | Open        | 1x GbE     |
|                              | Color                 | 1.0GHz ARM      | 2GB     | RS232/422/485  | mSATA              | Socket    | Frame       | LAN,       |
|                              | WVGA                  | Dual or Quad    | DDR3L   | Port, 2x USB   | Socket             | with SIM  | PPC7.55"    | WiFi       |
|                              | LCD, 800 x            | Core Processor  | RAM,    | 2.0 Host, 1x   |                    |           | ×4.15"      | 802.11     |
|                              | 480, 4-Wire           |                 | 4GB     | USB 2.0 OTG    |                    |           |             | b/g/n,     |
|                              | Analog                |                 | eMMC    |                |                    |           |             | bluetooth  |
|                              | Resistive,            |                 | Flash   |                |                    |           |             | 4.1, 16x   |
|                              | HDMI, CSI,            |                 | onboard |                |                    |           |             | GPIO       |
|                              | DSI                   |                 |         |                |                    |           |             | lines      |
| <a href="#">VOX-070T-EX2</a> | 7" WVGA               | DM&P SoC        | up to   | 5x COM, 4x     | 4GB                | 4x mini-  | 7.323"      | 1x 10/100  |
|                              | TFT LCD,              | Vortex86EX2     | 2GB     | USB 2, CAN     | onboard            | PCIe      | ×4.764"     | BaseT      |
|                              | 800 x 480,            | Master CPU      | DDR3    |                | eMMC or            | sockets   | ×1.13"      | Ethernet,  |
|                              | resistive             | 600MHz          | onboard |                | SD card            |           |             | Audio, 8x  |
|                              | touch screen          | (Optional Slave |         |                |                    |           |             | GPIO       |
|                              | 400 nit or            | CPU 400MHz)     |         |                |                    |           |             |            |
|                              | 1000 nit              |                 |         |                |                    |           |             |            |
| <a href="#">VOX-084</a>      | 8.4" TFT              | DM&P            | Up to   | 4x             | 1x SATA            | PC/104    | Open        | 1x 10/100  |
|                              | Color                 | Vortex86DX2     | 2GB     | RS232/422/485, |                    |           | Frame       | Ethernet,  |
|                              | WVGA                  | or              | DDR3    | 3x USB2.0      |                    |           | PPC9"       | 2x GbE     |
|                              | LCD, 800 x            | Vortex86DX3     | onboard |                |                    |           | ×5.9" ×1.1" | LAN, 16x   |
|                              | 600, 4-Wire           | 800 MHz or      |         |                |                    |           |             | GPIO, 1x   |
|                              | Analog                | 1GHz            |         |                |                    |           |             | LPT        |
|                              | Resistive             |                 |         |                |                    |           |             |            |

| PRODUCT #                           | Video/<br>Touchscreen                                                                                    | CPU                                                         | Memory                                                    | Serial Ports                                                                  | Disk<br>Interfaces                    | Bus                             | Dimensions                           | Other I/O                                                                                                                                                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#"><u>PPC-10-IMX6S</u></a> | 10" TFT<br>Color<br>WSVGA<br>LCD, 1024<br>x 600, 4-<br>Wire<br>Analog<br>Resistive,<br>HDMI, CSI,<br>DSI | NXP i.MX6<br>1.0GHz ARM<br>Solo Core<br>Processor           | 512MB<br>DDR3L,<br>4GB<br>eMMC<br>Flash<br>onboard        | 3x RS232 & 1x<br>RS232/422/485<br>Port, 2x USB<br>2.0 Host, 1x<br>USB 2.0 OTG | MicroSD,<br>mSATA<br>Socket           | mini-PCIe<br>Socket<br>with SIM | 10.5" ×6"<br>×2"                     | 1x GbE<br>LAN,<br>WiFi<br>802.11<br>a/b/g/n,<br>bluetooth,<br>16x GPIO<br>lines                                                                                              |
| <a href="#"><u>PPC-10-IMX6M</u></a> | 10" TFT<br>Color<br>WSVGA<br>LCD, 1024<br>x 600, 4-<br>Wire<br>Analog<br>Resistive,<br>HDMI, CSI,<br>DSI | NXP i.MX6<br>1.0GHz ARM<br>Dual or Quad<br>Core Processor   | Up to<br>2GB<br>DDR3L,<br>4GB<br>eMMC<br>Flash<br>onboard | 3x RS232 & 1x<br>RS232/422/485<br>Port, 2x USB<br>2.0 Host, 1x<br>USB 2.0 OTG | MicroSD,<br>mSATA<br>Socket           | mini-PCIe<br>Socket<br>with SIM | Open<br>Frame<br>PPC10.5"<br>×6" ×2" | 1x GbE<br>LAN,<br>WiFi<br>802.11<br>a/b/g/n,<br>bluetooth,<br>16x GPIO<br>lines                                                                                              |
| <a href="#"><u>PPC-10-3354</u></a>  | 10" TFT,<br>Color<br>WSVGA<br>LCD, 1024<br>x 600, 4-<br>Wire<br>Analog<br>Resistive                      | TI ARM Cortex<br>A8 based<br>Processor<br>AM3354,<br>1.0GHz | 512 MB<br>of DDR3<br>SDRAM,<br>4GB<br>eMMC<br>Flash       | 3x RS232 & 1x<br>RS232/422/485<br>Port, 2x USB<br>2.0 Host, 1x<br>USB 2.0 OTG | SDIO<br>SDHC/<br>MMC<br>Flash<br>Disk |                                 | Open<br>Frame<br>PPC5.76"<br>×10.25" | 1x 10/100<br>BaseT<br>Ethernet,<br>WiFi<br>802.11<br>b/g/n, 1x<br>SPI, 1x<br>I2S,<br>Audio<br>Beeper,<br>1x 12S<br>Audio<br>Port with<br>Line-<br>In/Line-<br>Out, 1x<br>I2C |

| PRODUCT #          | Video/<br>Touchscreen                                                               | CPU                                                            | Memory                                                   | Serial Ports                                                                  | Disk<br>Interfaces                      | Bus    | Dimensions                                      | Other I/O                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------|--------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>PPC-10-5D36</u> | 10" TFT,<br>Color<br>WSVGA<br>LCD, 1024<br>x 600, 4-<br>Wire<br>Analog<br>Resistive | Atmel ARM<br>Cortex A5<br>ATSAMA5D36                           | 512 MB<br>of<br>DDR2,<br>4GB<br>eMMC<br>Flash<br>Onboard | 3x RS232 & 1x<br>RS232/422/485<br>Port, 2x USB<br>2.0 Host, 1x<br>USB 2.0 OTG | SDIO<br>SDHC/<br>MMC<br>Flash<br>Disk   |        | Open-<br>Frame5.76"<br>×10.25"<br>×1.5"         | 1x GbE<br>LAN,<br>WiFi<br>802.11<br>b/g/n, 1x<br>SPI, 1x<br>I2S,<br>Audio<br>Beeper,<br>1x 12S<br>Audio<br>Port with<br>Line-<br>In/Line-<br>Out, 1x<br>I2C |
| <u>VOX-104</u>     | 10.4" TFT<br>Color<br>WVGA<br>LCD, 800 x<br>600, 4-Wire<br>Analog<br>Resistive      | DM&P<br>Vortex86DX2<br>or<br>Vortex86DX3<br>800 MHz or<br>1GHz | Up to<br>2GB<br>DDR3<br>onboard                          | 4x<br>RS232/422/485,<br>3x USB2.0                                             | 1x SATA                                 | PC/104 | Open<br>Frame<br>PPC11.92"<br>×8.03"<br>×2.45"  | 1x 10/100<br>Ethernet,<br>2x GbE<br>LAN, 16x<br>GPIO, 1x<br>LPT                                                                                             |
| <u>VOX-150</u>     | 15.0" TFT<br>Color<br>WVGA<br>LCD, 1024<br>x 768, 4-<br>Wire<br>Analog<br>Resistive | DM&P<br>Vortex86DX2<br>or<br>Vortex86DX3<br>800 MHz or<br>1GHz | Up to<br>2GB<br>DDR3<br>onboard                          | 4x<br>RS232/422/485,<br>3x USB2.0                                             | 1x SATA                                 | PC/104 | Open<br>Frame<br>PPC14.49"<br>×10.95"<br>×2.45" | 1x 10/100<br>Ethernet,<br>2x GbE<br>LAN, 16x<br>GPIO, 1x<br>LPT                                                                                             |
| <u>PPC-E4+</u>     | 4.3 " TFT<br>Color<br>WQVGA<br>LCD, 480 x<br>272, 4-Wire<br>Analog<br>Resistive     | Embedded<br>Atmel<br>AT91SAM9G45<br>400 MHz                    | Up to<br>256 MB<br>DDR2<br>RAM                           | 3x RS-232, 1x<br>RS-<br>232/422/485, 1x<br>USB Host, 1x<br>USB OTG            | SDIO,<br>SDHC/<br>MMC,<br>Flash<br>Disk | none   | Open<br>Frame<br>PPC4.8"<br>×3" ×1.2"           | 10/100<br>Ethernet,<br>Audio,<br>16x GPIO                                                                                                                   |

Enclosed PPCs

| PRODUCT # | Video/<br>Touchscreen | CPU | Memory | Serial Ports | Disk<br>Interfaces | Bus | Dims. | Other I/O |
|-----------|-----------------------|-----|--------|--------------|--------------------|-----|-------|-----------|
|-----------|-----------------------|-----|--------|--------------|--------------------|-----|-------|-----------|

|                                  |                                                                |                                          |                               |                                                |                                                     |                     |                     |                                                                                      |
|----------------------------------|----------------------------------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------|-----------------------------------------------------|---------------------|---------------------|--------------------------------------------------------------------------------------|
| <a href="#"><u>HMI-043T</u></a>  | 4.3 " TFT, Color WQVGA LCD, 480 x 272, 4-Wire Analog Resistive | DMP Vortex86EXm 400 MHz                  | Up to 256 MB DDR3 RAM Onboard | 1x RS-232, 485 or CAN                          | SD Slot or up to 2GB eMMC NAND Flash Memory Onboard | N/A                 | 4.58" ×3.71" ×1.35" | Ethernet, POE, HF RFID/NFC, 1x USB 2.0                                               |
| <a href="#"><u>PDX-057T</u></a>  | 5.7" TFT Color LCD, 640 x 480, Analog Resistive                | Vortex86DX Fanless CPU, 1 GHz            | Up to 512MB RAM               | 1x RS-232/422/485, 2x USB 2.0                  | 1 IDE, Compact Flash Micro SD                       | Mini PCI            | 6" ×4.4" ×1.2"      | RDC 6040 10/100 Base-T Ethernet2x USB 2.0                                            |
| <a href="#"><u>PMX-057T</u></a>  | 5.7" TFT Color LCD, 640 x 480, Analog Resistive                | Vortex86MX+ Fanless CPU 1GHz             | Up to 1GB DDR2 onboard        | 1x RS-232/422/485, 2x USB 2.0 1x RS232/422/485 | 1 IDE, Compact Flash Micro SD                       | Mini PCI            | 6" ×4.4" ×1.2"      | 10/100 Base-T Ethernet, 2x USB 2.0, Audio                                            |
| <a href="#"><u>PDX2-057T</u></a> | 5.7" TFT LCD with Resistive Touch Screen                       | DM&P Vortex86DX2 - 933MHz                | Up to 2GB DDR2 Onboard        | 1x RS-232/422/485, 2x USB 2.0                  | CF Card or Micro SD slot                            |                     | 5.98" ×4.41" ×1.3"  | 1x HD Audio-Realtek ALC262 CODEC, 1x 10/100 Ethernet Integrated, 2x USB 2.0 Ports    |
| <a href="#"><u>PEX-057T</u></a>  | 5.7" VGA TFT LCD with Resistive Touch Screen                   | DM&P Vortex 86EX Onboard 400 MHz         | 1 GB DDR3 Onboard             | 1x RS-232/422/485 & 2x USB 2.0                 | MicroSD Slot                                        |                     | 5.98" ×4.41" ×1.3"  | 1x HD Audio-Realtek ALC262 CODEC, 1x 10/100 Ethernet Integrated, 2x USB 2.0 Ports    |
| <a href="#"><u>PDX3-057T</u></a> | 5.7" VGA TFT LCD with Resistive Touch Screen                   | DM&P Vortex86DX3- Fanless Onboard 1GHz   | Up to 2GB DDR3 Onboard        | 1x RS-232/422/485, 2x USB 2.0                  | CF Card or Micro SD slot                            |                     | 5.98" ×4.41" ×1.3"  | 1x 10/100 Ethernet Integrated, 2x USB 2.0 Ports, Audio HD Audio-Realtek ALC262 CODEC |
| <a href="#"><u>PPC-080E</u></a>  | 8" LCD with Projected Capacitive 10-Point Multitouch           | Allwinner A40 Cortex™ QuadCore Processor | 1GB DDR3                      | 1x serial, 2x USB2, 1x USB OTG                 | 8GB NAND flash, SATA                                | Mini-PCIe expansion | 7.91" ×6.32" ×1.4"  | Gigabit LAN, POE, Wi-Fi 802.11 b,g,n , HDMI, GPS, Bluetooth                          |

|                                  |                                                              |                                                    |                                 |                                         |                                        |                  |                           |                                                                                                               |
|----------------------------------|--------------------------------------------------------------|----------------------------------------------------|---------------------------------|-----------------------------------------|----------------------------------------|------------------|---------------------------|---------------------------------------------------------------------------------------------------------------|
| <a href="#"><u>PPC-080T</u></a>  | 8" TFT<br>Color LCD,<br>800 x 600,<br>Analog<br>Resistive    | Intel<br>Processor<br>N2807<br>(optional<br>N2600) | 2 GB<br>SODIMM<br>DDR3L         | 3 x RS232*, 1x<br>USB3.0, 3x<br>USB 2.0 | SATA SSD<br>Hard Drive                 | 2x Mini<br>PCI-E | 8.5"<br>×7.2"<br>×2.2"    | 2 x GBit RJ45<br>ports                                                                                        |
| <a href="#"><u>PDX-089T</u></a>  | 8.9" TFT<br>Color LCD,<br>1024 x 600,<br>Analog<br>Resistive | Vortex86DX<br>CPU                                  | 512 MB<br>DDR2<br>on-board      | 1x RS-<br>232/422/485,<br>2x USB 2.0    | 1 IDE,<br>Compact<br>Flash Micro<br>SD | Mini PCI         | 9.3"<br>×5.7146"<br>×1.3" | 10/100 Base-<br>T Ethernet, 2x<br>USB 2.0                                                                     |
| <a href="#"><u>PMX-089T</u></a>  | 8.9" TFT<br>Color LCD,<br>1024 x 600,<br>Analog<br>Resistive | Vortex86MX+<br>Fanless CPU<br>1GHz                 | Up to<br>1GB<br>DDR2<br>onboard | 1x<br>RS232/422/485,<br>2x USB2.0       | 1 IDE,<br>Compact<br>Flash Micro<br>SD | Mini PCI         | 9.3"<br>×5.7"<br>×1.4"    | 10/100 Base-<br>T Ethernet                                                                                    |
| <a href="#"><u>PMX-090T</u></a>  | 9" TFT<br>Color LCD,<br>1024 x 600,<br>Analog<br>Resistive   | Vortex86MX+,<br>1 GHz                              | Up to<br>1GB<br>DDR2<br>onboard | 1x RS-<br>232/422/485,<br>2x USB 2.0    | 1 IDE,<br>Compact<br>Flash Micro<br>SD | Mini PC          | 9.31"<br>×5.75"<br>×1.38" | 10/100 Base-<br>T Ethernet2x<br>USB 2.0                                                                       |
| <a href="#"><u>PEX-090T</u></a>  | 9" VGA<br>TFT LCD<br>Analog<br>Resistive<br>Touch<br>Screen  | DM&P<br>Vortex 86EX<br>Onboard 400<br>MHz          | 1 GB<br>DDR3<br>Onboard         | 1x RS-<br>232/422/485 &<br>2x USB 2.0   | MicroSD Slot                           |                  | 9.31"<br>×5.75"<br>×1.38" | 1x HD Audio-<br>Realtek<br>ALC262<br>CODEC, 1x<br>10/100<br>Ethernet<br>Integrated, 2x<br>USB 2.0 Ports       |
| <a href="#"><u>PDX2-090T</u></a> | 9" VGA<br>TFT LCD<br>Analog<br>Resistive<br>Touch<br>Screen  | DM&P<br>Vortex86DX2<br>933 MHz                     | Up to<br>2GB<br>DDR2<br>Onboard | 1x RS-<br>232/422/485,<br>2x USB 2.0    | CF Card or<br>Micro SD slot            |                  | 9.31"<br>×5.75"<br>×1.38" | 1x 10/100<br>Ethernet<br>Integrated, 2x<br>USB 2.0<br>Ports, HD<br>Audio-<br>Realtek<br>ALC262<br>CODEC       |
| <a href="#"><u>PDX3-090T</u></a> | 9" VGA<br>TFT LCD<br>Analog<br>Resistive<br>Touch<br>Screen  | DM&P<br>Vortex86DX3-<br>Fanless<br>Onboard<br>1GHz | Up to<br>2GB<br>DDR3<br>Onboard | 1x RS-<br>232/422/485,<br>2x USB 2.0    | CF Card &<br>Micro SD slot             |                  | 9.31"<br>×5.75"<br>×1.38" | 1x 10/100<br>Ethernet<br>Integrated, 2x<br>USB 2.0<br>Ports, Audio<br>HD Audio-<br>Realtek<br>ALC262<br>CODEC |

|                                  |                                                                   |                                              |                            |                                       |                                            |                                                                      |                      |                                                                                                    |
|----------------------------------|-------------------------------------------------------------------|----------------------------------------------|----------------------------|---------------------------------------|--------------------------------------------|----------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------|
| <a href="#"><u>PPC-090T</u></a>  | 9" WSVGA TFT LCD, 1024 x 600                                      | Vortex86DX2, 933 MHz                         | Up to 2GB DDR2 Onboard     | 2x RS-232 / 422 / 485                 | SATA Slim DOM                              |                                                                      | 9.68" ×6.26" ×1.76"  | Integrated 10/100Mbps Ethernet, Giga Ethernet, Wi-Fi (Optional), 3x USB Ports (Version 2.0) , POE+ |
| <a href="#"><u>PPC-104T</u></a>  | 10" TFT Color LCD, 800 x 600, Analog Resistive                    | DM&P Vortex86DX2 933 MHz or Vortex86DX3 1GHZ | up to 2 GB DDR3L onboard   | 2 x RS232/422/485, 3x USB 2.0         | Compact Flash or SATA Slim SSD             | Internal USB                                                         | 10.76" ×8.65" ×1.93" | 10/100 Mbps LAN (POE optional) / 10/100/1000 GbE (optional), 16x GPIO (optional), up to 7x RS232   |
| <a href="#"><u>UTC-510D</u></a>  | 10.1" 1280x800 Projected Capacitive. Glass Panel                  | Intel Bay Trail Atom / Celeron               | Up to 8GB DDR3L SODIMM     | 2x COM, 2x USB2, 1x USB3              | SATA & mSATA                               | 1x MiniPCIe, 1x mSATA                                                | 10.45" ×7.18" ×1.56" | 1x GbE, 1xGbE with POE (optional)                                                                  |
| <a href="#"><u>PPC-101E</u></a>  | 10.1" LCD with Projected Capacitive 10-Point Multitouch           | Allwinner A40 Cortex™ QuadCore Processor     | Up to 2GB DDR3 RAM onboard | 1x serial, 2x USB2, 1x USB OTG        | 8GB NAND flash, SATA                       | Mini-PCIe expansion                                                  | 10.87" ×7.56" ×1.34" | Gigabit LAN, POE, Wi-Fi 802.11 b,g,n , HDMI, GPS, Bluetooth                                        |
| <a href="#"><u>PPC-6712</u></a>  | 11.6" LED Backlight, WXGA 1366x768, 4-Wire Analog Resistive Touch | Intel Celeron J1900 2.42 GHz                 | Up to 8GB DDR3L SODIMM     | 1x COM, 1x USB 3.0, 2x USB 2.0 header | 2.5" SATA, mSATA                           | 1x half-size mini-PCIe &1x full size mini-PCIe x1 slot               | 11.25" ×7.25" ×2.5"  | Dual Gig-Lan, Audio line out, VGA, HDMI,                                                           |
| <a href="#"><u>PPC-3120S</u></a> | 12.1" TFT XGA LED 5 wire-Resistive Touch Screen                   | Intel® Celeron N2930 1.83 GHz                | up to 8 GB DDR3 SODIMM     | 2x Serial, 1x USB3, 2x USB2           | 1x 2.5 Inch SATA HDD Bay (Internal), mSATA | 1x MINI PCI-e (Standard), 1x PCI / 1x PCI-e through riser (Optional) | 12.5" ×9.7" ×1.9"    | 2x GbE, 2x USB 2.0 Ports, Audio, VGA                                                               |

|                                 |                                                                           |                                                 |                        |                               |                                                                                                               |                                          |                       |                                                                                                                        |
|---------------------------------|---------------------------------------------------------------------------|-------------------------------------------------|------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| <a href="#"><u>PPC-IP15</u></a> | 15" Color TFT LCD 1024 x 768 Analog resistive, Capacitive, and Infrared   | Embedded Intel® ULV Celeron® M, 1 GHz           | Up to 2 GB DDR2 SDRAM  | 3x RS-232, 1x RS-232/422/485  | 80GB HD CompactFlash (optional)                                                                               | One each Mini-PCI, PCI, and PCIe Socket  | 9.2" ×7.2" ×1.65"     | 10/100 Base-T Ethernet interface4x USB 2.0 (2 internal, 2 external)                                                    |
| <a href="#"><u>PPC-150T</u></a> | 15" XGA TFT LCD, 1024x768, Analog Resistive or P-Capacitive               | Vortex86DX2 or Vortex86DX3 933 MHz              | Up to 2GB DDR2 onboard | 2x RS-232/422/485, 2x USB 2.0 | Compact Flash or SATA Slim DOM                                                                                |                                          | 13.97" ×8.22" ×2.16"  | 10/100 LAN, 10/100/1000 Gig LAN (optional), POE(Optional) 3x USB 2 Ports, 5x serial ports optional                     |
| <a href="#"><u>PPC-1581</u></a> | 15.6 WXGA TFT LED LCD Multi-Touch Projected Capacitive Panel              | Intel 4th Generation Core i3-4010U 1.7GHz       | 4GB DDR3L SODIMM       | 1x RS-232/422/485, 1x RS-232  | 2.5 Inch SATA SSD Slot, 1x CFast Slot, 1x mSATA (via Mini PCIe slot, can't be used simultaneously with iDoor) | 1x Full-size Mini PCI-E                  | 16.52" ×10.59" ×2.23" | 2x Gigabit LAN, 2x USB 3.0, 1x HDMI, Audio Line out, USB 2.0 x 1 (optional) Audio MIC x 1 (optional)                   |
| <a href="#"><u>PPC-2155</u></a> | 15.6" TFT LCD LED Expandable HMI with 5-Wireless Resistive Touch or P-CAP | Intel® Celeron® J1900 or N2807                  | Up to 8GB DDR3L SODIMM | 1x RS-232/422/485             | 1x 2.5 Inch SATA 2.5 HDD Bay, 1x CFast™                                                                       | 2x Mini card (Full Size), OMNI expansion | 16.5" ×10.4" ×2.4"    | 2x Gigabit LAN, 1x USB 3.0 Port, 3x USB 2.0 Ports, 2x Mini card (Full Size), 1x Audio Mic-in Line-out, 1x HDMI, 1x VGA |
| <a href="#"><u>PPC-1154</u></a> | 15" XGA HMI 5-wire Resistive Touch Panel PC                               | Intel® Celeron® J1900 ,2 GHz / N2807, 1.58 GHz  | Up to 8GB DDR3L SODIMM | 2x RS-485/422/232, 2x RS-232  | 1x SATA 2.5 Inch HDD Bay / CFast Socket                                                                       | 2x Mini card (Full Size / Half Size)     | 16.02" ×12.22" ×2.3"  | 2x Gigabit LAN, 1x USB 3.0 Port, 3x USB 2.0 Ports, 1x VGA                                                              |
| <a href="#"><u>PPC-2176</u></a> | 17" TFT LCD Interface with 5-wire Analog Resistive Touch Screen           | Intel® Celeron® 827E or Core™ i7-2610UE 1.5 GHz | Up to 8 GB DDR3 SODIMM | 4x RS-232                     | 1x 2.5 Inch SATA Hard Disk Drive/ CFast™ Slot (Internal)                                                      | 1x PCIe Mini-Card                        | 16.54" ×14.09" ×3.82" | 2x Gigabit LAN, 6x USB 2.0 Ports, 1x VGA, Audio                                                                        |

|                 |                                                                       |                                          |                       |                                      |                      |                     |                       |                                                             |
|-----------------|-----------------------------------------------------------------------|------------------------------------------|-----------------------|--------------------------------------|----------------------|---------------------|-----------------------|-------------------------------------------------------------|
| <u>PPC-215E</u> | 21.5" LCD with Projected Capacitive 10-Point Multitouch               | Allwinner A40 Cortex™ QuadCore Processor | up to 2 GB DDR3       | 1x serial, 2x USB2, 1x USB OTG       | 8GB NAND flash, SATA | Mini-PCIe expansion | 20.79" ×12.76" ×165"  | Gigabit LAN, POE, Wi-Fi 802.11 b,g,n , HDMI, GPS, Bluetooth |
| <u>PPC-215T</u> | 21.5" LCD with Projected Capacitive 10-Point Multitouch, display port | Intel® Celeron™ QuadCore J1900           | Up to 4GB DDR3 SODIMM | 4x COM, 1x USB 3.0, 3x USB 2.0 ports | 64GB SATA SSD        | 2x Mini-PCIe        | 20.79" ×12.76" ×2.28" | 2x Gigabit LAN, POE, Wi-Fi 802.11 a,b,g,n , HDMI            |

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