

HIGHLIGHTS

- LOW POWER DESIGN
- LCD 12", SVGA OR XGA RESOLUTION
RESISTIVE TOUCH SCREEN
- AMD DUAL-CORE GX-210HA
AMD DUAL-CORE GX-217GA
AMD QUAD-CORE GX-420CA
- 95-265V AC OR 12/24V DC POWER INPUT
- CE-COMPLIANT, INDUSTRIAL APPLICATIONS
- AVAILABILITY MIN. 3 YEARS



PPC-12-AMD

Update: 01/2016

Hardware	Description
Type of device	Panel PC with CPU's of the AMD embedded G-series. 12" selectable; LCD and resistive touch screen. Aluminium front frame with O-ring; front protection class IP65.
Mainboard	Form factor: Mini ITX (170 x 170mm) CPU: AMD Dual-Core GX-210HA (1,0GHz), Dual-Core GX-217GA (1,65GHz) or Quad-Core GX-420CA (2,00GHz) Chipset: AMD Embedded G-Series Graphics: AMD Radeon HD 8210E (1,0GHz), Radeon HD 8280E (1,65GHz) or Radeon HD 8400E (2,0GHz) Ethernet: Realtek 8111G Audio: Realtek ALC671
Interfaces external mounted in rear bottom cover	Serial: 2x RS232, 4x USB 2.0 Graphics: CRT (DVI-I) Network: 2x 10/100/1000Mbps Fast Ethernet Keybd. entry: PS/2 (keyboard/mouse) Audio: Line IN + Line OUT Power input: 12/24V DC or female connector 90-265V AC Switches: Power button, reset button
Interfaces internal	Type: 2x SATA (600), 1x mSATA, 4x USB2.0, 1x RS232, 1x miniPCIe, 1x PCI X4
Main memory	RAM: 2x SO DIMM socket, DDR3-1333/1600, max. 16GB
Mass memory	mSATA: SLC: 2, 4 or 8GB; MLC: 16, 32, 64, 128 or 256GB HDD: 2,5" SATA min. 250 GB
Display	LCD: 12", 800x600 Pixel, 450cd/m², 700:1 optional: 1024x768 Pixel, 500cd/m², 700:1
Touch screen	Type: Resistive touch screen, 4-wire USB-controller optional: glass-film-glass 5-wire touch
Power supply	Input: 12/24V DC or 95-265V AC

Software	Description
Operation system	Windows® 7 / 8.1 / 10 and embedded versions; others on request.

Mechanics	Dimensions: W x H x D
Housing versions	Display housing 344x279mm with flat standard computer features; depth over all: 95mm

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HIGHLIGHTS

- LCD 12", SVGA OR XGA RESOLUTION, RESISTIVE TOUCH SCREEN
- INTEL ATOM DUAL-CORE N2600 OR INTEL ATOM DUAL-CORE D2550 CPU
- 9-28V DC OR 95-265V AC POWER INPUT
- CE-COMPLIANT, INDUSTRIAL APPLICATIONS
- AVAILABILITY MIN. 3 YEARS



PPC-12-INTEL ATOM

Update: 01/2016

Hardware	Description
Type of device	Panel PC with CPU's Intel ATOM N2600 or D2550 for choice. 12" LCD and resistive touch screen. Aluminium front frame with rubber O-ring, front protection class IP65.
Mainboard	Form factor: Mini ITX (170 x 170mm) CPU: Intel Dual-Core N2600 (1,6GHz) or Dual-Core D2550 (1,86GHz) for choice. Chipset: Intel NM10 Ethernet: Realtek 8111E Audio: Realtek ALC662
Interfaces external (mounted in rear bottom cover)	Serial: 2x RS232 + 2x USB3.0 + 2x USB2.0 Graphics: CRT (VGA) + HDMI Network: 2x LAN 10/100/1000Mbps Ethernet (RJ-45) Audio: Line IN + Line OUT Power input: 12/24V DC or female connector 90-265V AC Switches: Power button, reset button.
Interfaces internal	Type: 4x USB 2.0, 3x RS232, 1x RS422/485, 1x mSATA, 2x SATA 3Gb/s, 2x PCI (optional)
Main memory	RAM: 1x SO DIMM socket, DDR3-800, max. 2GB (N2600) 1x SO DIMM socket, DDR3-1066, max. 4GB (D2550)
Mass memory	mSATA: SLC: 2, 4 or 8GB; MLC: 32 or 64GB HDD: 3,5" SATA min. 250 GB (optional: 24/7 operation) Optional: bootable micro SD
Display	LCD: 12", 800x600 Pixel, 450cd/m ² , 700:1 optional: 1024x768 Pixel, 500cd/m ² , 700:1
Touch screen	Type: Resistive touch screen, 4-wire USB controller optional: glass-film-glass 5-wire touch screen
Power supply	Input: 12/24V DC or 95-265V AC

Software	Description
Operation system	Windows [®] 7 / 8.1 / 10 and embedded versions; others on request.

Mechanics	Dimensions: W x H x D
Housing versions	Display housing 344x279mm with flat standard computer features; depth over all: 95mm

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HIGHLIGHTS

- LOW POWER DESIGN
- LCD 12", SVGA OR XGA RESOLUTION, RESISTIVE TOUCH SCREEN
- INTEL CORE I3/I5/I7-4XXX SERIES
INTEL PENTIUM G3XXX SERIES
INTEL CELERON G18XX SERIES
- 12V DC OR 95-265V AC POWER INPUT
- CE-COMPLIANT, INDUSTRIAL APPLICATIONS
- AVAILABILITY MIN. 3 YEARS.



PPC-12-INTEL I3 I5 I7

Update: 01/2016

Hardware	Description
Type of device	Panel PC with CPUs Intel i3, i5 or i7 from the embedded roadmap. 12" LCD and resistive touch screen. Alu front frame with rubber O-ring, front protection class IP65..
Mainboard	Form factor: Mini ITX (170 x 170mm) CPU: LGA1150 Socket CPUs, e.g.: Intel i3-4330 (3,5GHz/3MB), Intel i5-4430 (3,0GHz/6MB) or Intel i7-4770 (3,4GHz/8MB) Chipset: Intel Q87 Ethernet: Intel i210AT Audio: Realtek ALC671
Interfaces external mounted in rear bottom cover	Serial: 1x RS232 2x USB 3.0 + 2x USB2.0 Graphics: CRT (VGA) + DVI-D Network: 2x LAN 10/100/1000Mbps Ethernet (RJ-45) Keybd. entry: PS/2 (keyboard/mouse) Audio: Line IN + Line OUT Power input: female connector for 90-265V AC Switches: Power button, reset button
Interfaces internal	Type: 2x USB 3.0, 2x USB 2.0, 1x RS232, 5x SATA-600, 1x Mini PCIe half size
Main memory	RAM: 2x SO DIMM socket, DDR3-1333/1600, max. 16GB
Mass memory	mSATA: SLC: 2, 4 or 8GB; MLC: 16, 32, 64, 128 or 256GB HDD: 2,5" SATA min. 250 GB
Display	LCD: 12", 800x600 pixel, 450cd/m ² , 700:1 optional: 1024x768 pixel, 500cd/m ² , 700:1
Touch screen	Type: Resistive touch screen, 4-wire USB controller optional: glass-film-glass 5-wire touch screen
Power supply	Input: 12V DC or 95-265V AC

Software	Description
Operation system	Windows [®] 7 / 8.1 / 10 and embedded versions; others on request.

Mechanics	Dimensions: W x H x D
Housings	Display housing 344x279mm with flat standard computer features; depht over all: 95mm;

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