

HIGHLIGHTS

- LOW POWER DESIGN
- LCD 15", 1024x768, 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
- ENHANCEMENTS 2xPCI SLOTS, HDD, DVD
- CE-COMPLIANT, INDUSTRIAL APPLICATIONS
- AVAILABILITY MIN. 3 YEARS



PPC-15-AMD

Update: 01/2016

Hardware	Description
Type of device	Panel PC with CPU's of the AMD embedded G-series. 15" selectable; LCD and resistive touch screen. Aluminium front frame with O-ring; front protection class IP65. Flat housing for standard equipment, higher housing for enhancement boards. Wall-mount version available.
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 Optional: 2x PCI or 1x PCIeX4 (only with computer enhancement boards)
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: 15", 1024x768 Pixel, 350cd/m², 700:1, 262K colours.
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	a. Display housing 400x320mm with flat standard computer features; depth over all: 98,5mm; b. Display housing 400x320mm with computer enhancement boards; depth over all: 144,5mm. Front panel cutout 376x296mm. Mounting in the panel by clamping jaws.

2016 MASS GmbH

HIGHLIGHTS

- LCD 15“, 1024x768, 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
- ENHANCEMENTS 2xPCI-SLOTS, HDD, DVD
- COMPLIANT, INDUSTRIAL APPLICATIONS
- AVAILABILITY MIN. 3 YEARS



PPC-15-INTEL ATOM

Update: 01/2016

Hardware	Description
Type of device	Panel PC with CPU's Intel ATOM N2600 or D2550 for choice. 15" LCD and resistive touch screen. Aluminium front frame with rubber O-ring, front protection class IP65. Flat computer housing for standard equipment, higher housing for enhancement boards. Wall-mount version available.
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. Optional: 1x PCI (only with computer enhancement boards)
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: 15", 1024x768 Pixel, 350cd/m², 700:1, 262K colours.
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	a. Display housing 400x320mm for standard computer equipment; depth over all: 98,5mm; b. Display housing 400x320mm for enhancement boards; depth over all: 144,5mm. Front panel cutout 376x296mm. Mountable in the panel by clamping jaws.

2016 MASS GmbH

HIGHLIGHTS

- LOW POWER DESIGN
- LCD 15", 1024x768, 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-15-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. 15" LCD and resistive touch screen. Aluminium front frame with rubber O-ring, front protection class IP65. Flat computer housing for standard IPC equipment or higher housing for enhancement boards. Wall-mount version available.
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 Optional: 1x PCI or 1x PCIeX16 (only with computer enhancement boards)
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: 15", 1024x768 pixel, 350cd/m ² , 700:1, 262K colours
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	a. Display housing 400x320mm for standard computer equipment, depht over all: 98,5mm; b. Display housing 400x320mm for computer enhancement boards, depht over all: 144,5mm. Front panel cutout 376x296mm. Mountable in the panel by clamping jaws.

2016 MASS GmbH