



Features

- Intel® Atom® x6425E processor
- EN50155 (2021) & EN45545-2 certified
- Fully IP65 waterproof protection
- Supports ultra-long-life LCD panel, M12 connectors
- Flat bezel design, projected capacitive 12.1" touch screen
- Optional Auto dimming adjustable
- Supports 24V DC or 72/110V DC power input

Specifications

CPU Type	Intel® Atom® QC x6425E Processor, 2.0GHz , up to 3.0GHz
Memory	2x DDR4-3200 4GB, Max 32GB
Display Size	12.1" TFT-LCD
Max. Resolution	1024x768
Luminance (cd/m2)	500
Contrast	1000:1
Max. Color	16.2M
View Angle (H°/V°)	176/176
Backlight Lifetime(hrs)	30,000
Touch Type	Projected capacitive
Touch Interface	USB
Light Transmission (%)	86
Point of touch	10
I/O Interface	2x M12 X-code 8P GbE 2x M12 D-code 4P USB 2.0 1x M12 A-code 8P RS232/422/485 1x M12 A-code 8P DIO (4in/2out) 1x M12 A-code 4P DC-input 1x M12 A-code 2P remote control 1x M4 size earth grounding
Power Button	Membrane key
Power Input Range	DC24V or DC 72V/110V
Membrane Control	Brightness up/down, volume up/down, power on/off
Audio	2x speakers for optional
Internal Expansion	1x Full-sized Mini-PCI-E slot (USB2.0 + SATA + PCI-E(x1)) 1x M.2 E-Key 2230 socket (USB 2.0)
Wireless	Optional 4G and WiFi modules
Storage	1x 2.5" device bay for SSD
Thermal Design	Fanless
Construction	Aluminum
Chassis Color (Front/Back)	Black/Black
IP Rating	IP65
Mounting	VESA 100x100 Panel mount (IP65 front panel only)
Dimensions	335mm (W) x274mm (D) x69mm (H) 13.19"(W) x 10.79"(D) x 2.7"(H)
Net Weight	3.1 kg
Operating Temperature	-40°C ~70°C, with industrial-grade SSD, not included add-on cards

Storage Temperature	-40°C~85°C (-40°F~185°F)
Storage Humidity	5%~90% @40°C (non-condensing)
Certified	EN50155:2017 EN45545-2 CE/FCC class-A
Operating Systems	Windows 10 64bit Linux Kernel 4.X

Ordering Information

MPPC1201PC	12.1" EN50155 Certified Panel PC with IB836F-6425E, Intel® Atom™ Processor x6425E, 4GB DDR4 memory, industrial-grade 64GB SSD, M12 connectors, DC 24V power input, no adaptor
MPPC1201PCH	12.1" EN50155 Certified Panel PC with IB836F-6425E, Intel® Atom™ Processor x6425E, 4GB DDR4 memory, industrial-grade 64GB SSD, M12 connectors, DC 72/110V power input, no adaptor

Dimensions

