

PAB011-FQ



Fanless Box PC with Intel® Celeron 4305UE / i3-8145UE / i5-8365UE



FEATURES

- Intel® Celeron® 4305UE
- Intel® Core™ i3-8145UE / i5-8365UE
- Supports DDR4, 2x sodimm, up to 64GB system memory
- Dual Gigabit Ethernet
- Dual display support (DP, HDMI)
- Onboard M.2 B/E/M-Key, Nano SIM card slot
- Wide DC power range 12-24 VDC



SYSTEM

CPU	Intel® Celeron® 4305UE, DC, 2.0 GHz Intel® Core™ i3-8145UE, DC, 2.2 GHz Intel® Core™ i5-8365UE, QC, 1.6 GHz
CHIPSET	Intel® Whiskey Lake
GRAPHICS	Intel® UHD Graphics 610 for Intel® Celeron® Intel® UHD Graphics 620 for Intel® Core™
MEMORY TYPE	2x DDR4 sodimm 2133 MHz for Intel® Celeron® 2x DDR4 sodimm 2400 MHz for Intel® Core™ For all CPU up to 64GB system memory
AUDIO	High Definition Audio
ETHERNET	1x 10/100/1000 Mbps Intel® I210IT 1x 10/100/1000 Mbps Intel® PHY I219LM

STORAGE

DEVICE	1x M.2 B-Key 2242/2280 (SATA 3.0/USB3/USB2) 1x M.2 M-Key 2242/2280 (PCI-E x4/SATA 3.0)
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EXTERNAL I/O

SERIAL PORTS	2x COM (RS-232/422/485), 2x COM (RS-232)
USB PORTS	4x USB 3.1, 4x USB 2.0
AUDIO	1x Line-Out
VIDEO OUTPUT	1x DP (4096x2340), 1x HDMI (4096x2160)
LAN	2x RJ45 Ethernet ports
SUPPLY CONNECTION	24 VDC terminal block

EXPANSION SLOT

M.2 B-KEY	1x M.2 B-Key 2242/3042/2280 (SATA 3.0/USB 3.0/USB 2.0 with Nano SIM) Slot
M.2 E-KEY	1x M.2 E-Key 2230(PCI-E x1/USB2.0/CNVi) Slot
M.2 M-KEY	1x M.2 M-Key 2242/2280 (PCI-E x4 /SATA3) Slot

OS SUPPORT

MICROSOFT®	Windows 10 Enterprise LTSC 2016 (64 bit)
MICROSOFT®	Windows 10 Enterprise LTSC 2019 (64 bit)
MICROSOFT®	Windows 10 PRO (64 bit)
LINUX	Ubuntu 20.04.1 LTS or newer and further distros

POWER SYSTEM

RATED INPUT VOLTAGE	24 VDC
INPUT VOLTAGE LIMIT	12-24 VDC
POWER CONSUMPTION	30 W (typical consumption)

MECHANICAL

DIMENSION (WxHxD)	225x140x45 mm (13.2x10.6x3.7 in)
WEIGHT	2.0 Kg
CHASSIS	Sheet metal
MOUNTING TYPE	Desktop or wall mounting

ENVIRONMENT

OPERATING TEMPERATURE	0 ~ 50 °C (32 ~ 122 °F)
STORAGE TEMPERATURE	-45 ~ 85 °C (-40 ~ 185 °F)
OPERATING HUMIDITY	10 ~ 95 % @ 40°C (non-condensing)
EMC	CE
SAFETY	CE

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Dimensions - I/O View :

- A - Power switch
- B - 2x Led (Power / Hdd)
- C - RS-232/422/485 (COM 1)
- D - RS-232/422/485 (COM 2)
- E - RS-232 (COM 3)
- F - RS-232 (COM 4)
- G - 2x USB 2.0
- H - Wi-fi antenna (optional)
- I - Supply connector
- L - Line Out
- M - HDMI
- N - DP
- O - 2x USB 3.1
- P - 2x USB 3.1
- Q - 2X Gigabit Lan
- R - 2x USB 2.0

