

# 8.4"/21.34cm FlatMan®+external USV Touch-Panel-PC-Panelmount



Industrial PanelPC in a modular design for Edge Computing Industrial 4.0 control room operation - machine control - HMI operation

The FlatMan® TFT Panel - PC's for Edge-Computing are for reliable usage at production areas or factory hall at robust housing with guaranteed longterm available desing.Developed-designed-manufactured „Made-in-Europe“.

**Maintenance free** - at permanent use on 24 hours at 365 days  
**Performance tailored to applications demand:** by the modular (patented) mechanical concept - is it possible to choose the right panel + CPU board + mass memory + I/O interfaces + power concept + protection class.


**High CPU performance regardless fanless operation.**

**Protection class** of the unit is IP67 at front. Different protection on request. Choose the right connectors depending on the application. Choose the right front protection out of glass or touch screen. Antireflective coated surface or non glare touch solutions.

**Customized version** combines with **external USV** to bridge unexpected loss of voltage - Adapted on request on existing mounting solution or non standard functions - colors - push buttons - settings

**Optional prepared for operation at extended temperature range**

## Technical features 8.4" / 21,34cm FlatMan® Touch-Panel-PC:

- optional functions: RFID/ Barcode/ USV/ Wifi/ Push buttons/ isolated digital I/O
- Protection class IP67 at front side
- No noise due to fan less operation
- Small design - less space - Long time available design.
- TFT Display available with brightness up to 1.200cd/m<sup>2</sup>.
- Optional resistive or PCAP - seamless full glass Touchscreen
- integrated embedded PC from Intel® Celeron™ J1900 up to Intel® Core™ i7-8665UE 8MB Cache an up to 4.40GHz.
- Bezel Color RAL7021 or different RAL color on request
- VESA 75 x 75 / optional 100 x 100 Wall mount
- 24/7 24h at 365 days -permanent use specification
-  Made in Europe - The components used, have been integrated hundreds of times in comparable devices



FlatMan AB084 Touch-Panel-PC with front bezel integrated touch-function and connected USV



Signal connectors with 2x HDMI / 1x COM-Port / 4x USB 3.0 / 2x GbE

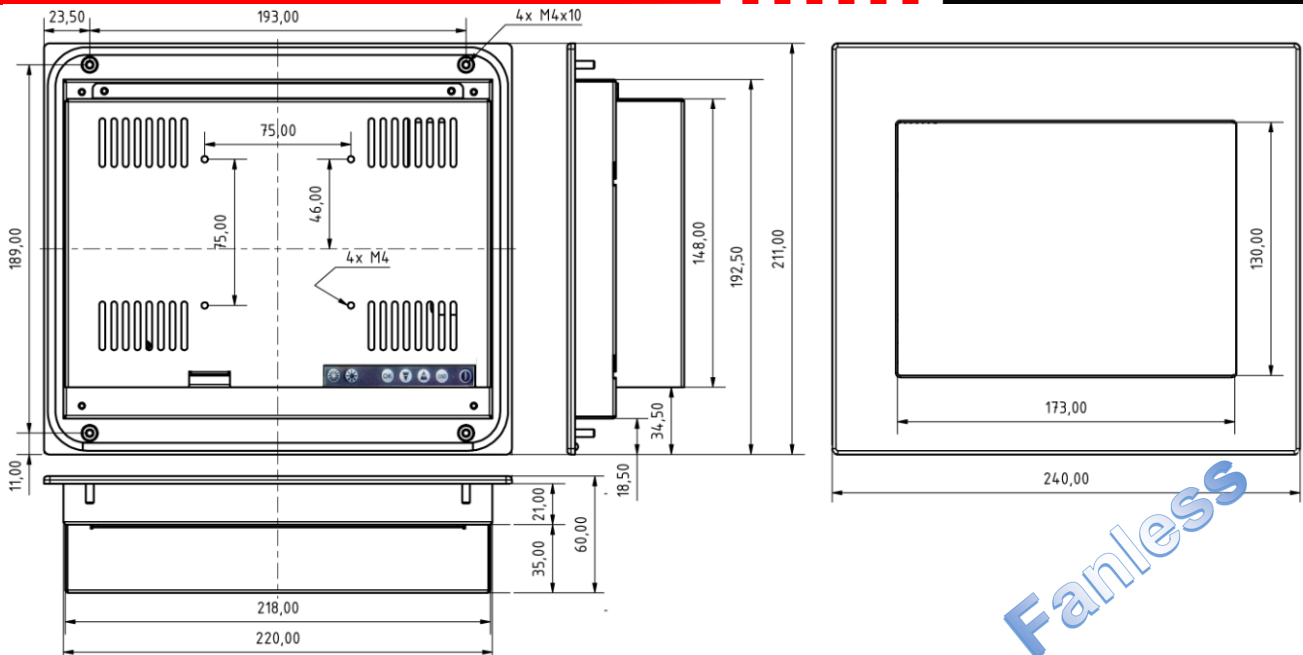
Fanless



Small unit - side view



# 8.4"/21.34cm FlatMan<sup>®</sup>+external USV Touch-Panel-PC-Panelmount



Fanless

8.4"/21,34cm Display	
brightness	250cd/m <sup>2</sup> 400cd/m <sup>2</sup>
Contrast	1.000:1      400:1
Resolution	SXGA 1280 x 1024 oder SVGA 800x600 Pixel Format 5:4
Color	16.7 Millionen
Backlight Life Time	50.000h LED to ½ brightness
Viewing angle H / V	176° / 176°
CPU	
CPU	Intel® Celeron™ J3455
Chipset	Intel® HD Graphics 500
CPU	2M Cache bis 2.3GHz- 4Core
System Memory	4GB DDR3L 1333/1600 max. 8GB
Ethernet	2x GBE / 1x Intel® I211AT/ 1x I210IT
Serial Interface	2x COM (RS232/422/485)
USB	4x 3.0 / 2x 2.0 intern (1x used by Touch)
Digital I/O	4Bit Input + 4Bit Output
Video Output	2x HDMI 1.4b 3840x2160
Audio (optional)	Realtek ALC662VC HD 2W
SSD	64GB optional up to 1TB
Extension	2x miniPCIe (1x mSATA) / 1x SATA
Watchdog Timer	programmable 1~ 255Sek.
Wifi	Optional 802.11a/b/g/n/ac (2.4GHz oder 5GHz), Bluetooth 4.0 (LE, EDR, HS, DualMode)
Touchscreen	Resistiv / optional PCAP Full glass
Specialty	Fanless - connected USV

USV - Specification
fail-safe and maintenance-free DC/DC-Wandler
High efficiency 94% typ.
high cycle stability > 500 000
DIN-RAIL mounting / Hutschiene
USV Shutdown after 15 Sec Power fail
Without additional Software / automatic PC restart
NO ACCUs, SuperCAPS – Full load within 90 Seconds
Input current limiter

Environment
Frontside IP67 / Back side IP20
Operating Temperatur 0° to 45°C Optional -15°C to 50°C
Storage Temperatur -20° to 60°C
Humidity max. 90% at 45°C not condensing
CE, / RoHS Compliant
Power Input appr. 16VDC ~ 32VDC <30W Optional: 12VDC
Weight 3,5kg

**Order number 8,4" Panel mount Panel PC**

Type: AB084SIIL0IG8HU + ZZUB-USV-10030 - Panel PC  
Resistiv Touchscreen  
Intel® Celeron™ J3455 CPU 4GB SODIMM und 64GB SSD  
24VDC external Power supply by USV support

