21.5" Capacitive Touch PC i5-7300U

FT215I5CAPOB

- **Intel® Core™ i5-7300U CPU**
- **8GB RAM memory, 128GB Industrial SSD**
- **Supports Windows 10 & Linux (32Bit, 64Bit)**
- **Anti-glare surface treatment (chemical etching)**
- **10-Finger-Multi Touch Capacitive Touch Panel**
- **1.1mm cover glass with 7H surface hardness**
- **Optically bonded Touch Panel to LCD Panel**
- **Patented IP65 front with silicon seal**
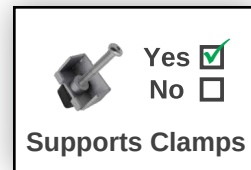- **Integrated W-LAN**
- **2 year guarantee (24/7 usage)**

- *Optional: i3-7100U / i7-7600U Core CPU*

Yes ☑
No ☐

Supports Clamps

CLEAR BOND

Optically Bonded

Capacitive PC series stands out among competition with its fanless silent operation, IP65 front panel design, high reliability and fine craftwork.
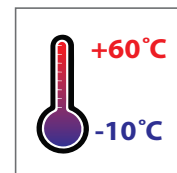
This device is made for 24/7 operation and is the perfect choice for industrial and business applications. It has flat edge to edge glass with IP65 water- and dust proof front panels and a sturdy aluminum case with stable VESA 100 fixation bolts.

The PC is powered by the high-end Kaby Lake U industrial mainboard. It has an Intel® Core™ i5-7300U processor with 2.60 GHz, 8GB RAM, a 128GB SSD and Intel®'s HD graphics Chipset.

These PCs are the perfect choice for a wide variety of applications including POS systems, control panels in industrial fields, in kiosk systems, office/residence automation, digital signage and in areas like shopping malls, classrooms, hotels and many more.

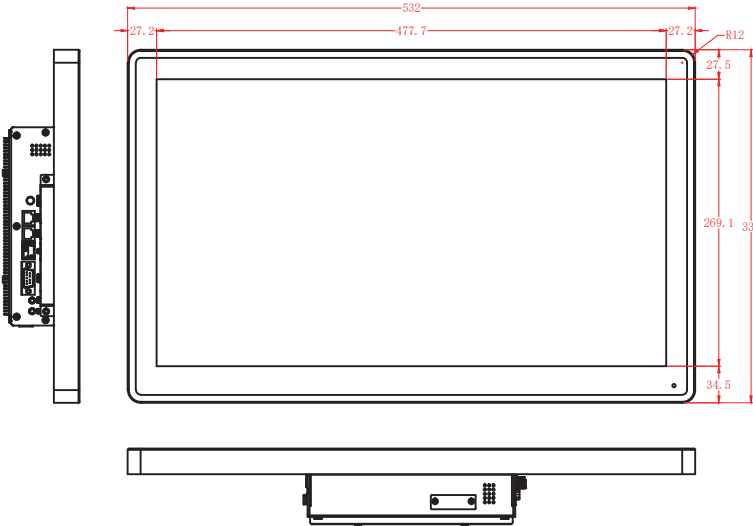| Legend / Notes	
Applicable to version 2	(v2)
Applicable to version 3	(v3)
Applicable to version 4	(v4)
Applicable to all Versions	None

HDMI — USB UNIVERSAL SERIAL BUS — SUPERSPEED CERTIFIED USB — W-LAN — +60°C / -10°C — 24/7

Product name	21.5" Capacitive Touch PC i5-7300U						
Model number / EAN number	**FT215I5CAPOB / 6920734002153**						
Global Article Code	European Article Code	Release date (D/M/Y)	Version*	Global Article Code	European Article Code	Release date (D/M/Y)	Version*
3030502968	1010501659	03/12/2019	v2				
3030504500	1010501939	18/01/2021	v3				
3030509488	1010502295	01/12/2021	v4				

IP Rating
IP65 Front / IP40 Back

LCD Panel	
Screen diagonal (Inch/cm)	21.5/54.69
Display active screen size (cm)	47.70×26.80
Aspect ratio	16:9
Physical resolution	1920×1080
External Maximum showable resolution - HDMI, DP	1920×1200
Colours displayed	16.7M
Brightness (cd/m^2)	250
Contrast	1000:1
Typical reaction time Tr / Tf (ms)	1.5/3.5
Visual Angle horizontal / vertical (°)	170/160
Backlight / Backlight Lifetime (hours)	LED / 40,000

Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	5.20
Gross weight (kg)	7.80 (incl. cartonage)
Housing material	Rubber front case, Aluminum IPC back case
Housing (mm) L × W × H	532.0 × 331.0 × 72.0
Cut-out for clamp supports (mm) L × H	508.0 × 307.0
Max. wall thickness for clamp supports (mm)	5.0
Amount of clamps required	4
Mounting	VESA 100

Internal Connectors (occupied)	
1x SO-DIMM, max. 16 GB, DDR4 1866/2133 non-ECC, Single channel memory	
3x RS232/RS485 COM connectors switchable in BIOS	
2x LCD Backlight control/LCD panel voltage box	
1x 5V/12V SATA power connector	1x 12V DC power connector (2-pin)
1x 4-pin SATA power connector	1x S/PDIF output pin header
1x 8-bit Digital I/O interface	1x Line-out / Mic-in header
1x Front Panel box header	1x Serial ATA 6Gb/s
1x MIPI CSI connector	1x LVDS box header	2x USB 3.0 box header

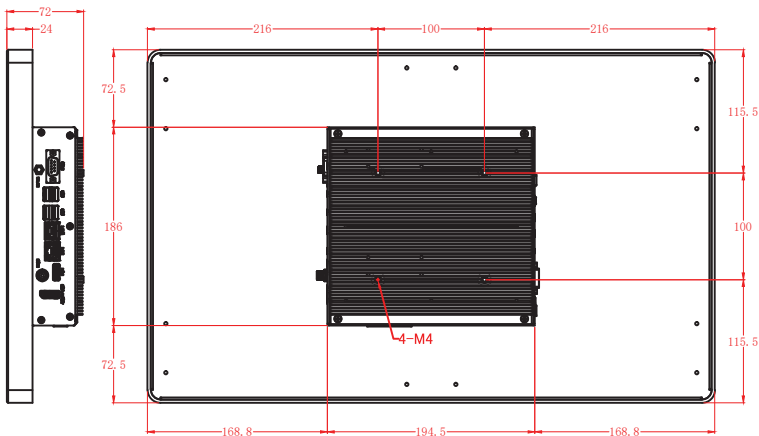| PC System	
CPU	Intel® Core™ i5-7300U Processor Kaby Lake
Graphic GPU	Intel® HD Graphics
Audio	Realtek ALC3251 Audio CODEC (v4)
Memory	8GB DDR4 non-ECC (max. 16GB)
Storage (switchable)	Industrial 128GB SSD
Network	2x Realtek PCIe GB LAN 8111G (1000Mbps) M.2 E-key Wi-Fi module
Driver Support	Win10; Linux; 32Bit/64Bit
Preinstalled OS	Linux Ubuntu

Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Life (Contacts)	Unlimited
Surface Hardness	7H
Surface Treatment	Anti-glare (chemical etching)
Glass Strengthening	Chemically Strengthened

Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	34
Stand-By Consumption (W)	<1

External Connectors	
1x 12V DC-In (screwable)	
1x W-LAN antenna connector (RP-SMA male)	
4x USB 3.0	1x DP
1x HDMI	1x MIC-In & EAR-Out
1x 10-PIN DIO as RJ50 (v3) (v4)	
1x COM – RS 232/422/485 switchable; 5V/12V/RI option (COM1, DSUB9)	
1x COM – RS 232; RX/TX (COM2, DSUB9)	
2x COM – RS 232 & 485; RX/TX & A+/B- (COM3&4, RJ12)	
2x 10/100/1000Mbit RJ45 Ports	
1x 2.5" module slot, changeable SSD included	
1x S/PDIF-Out (1x Cinch, 1x Torx module) (v2)	
1x 8-PIN DIO as RJ45 (v2)	

Expansion Slots
1x mSATA full size (occupied by SSD)
1x M.2 E-Key Slot (occupied by Wifi card)
1x SATA connector
1x External PCIe x1 Straddle connector

Included in the Delivery
Power Supply (see Power section)
W-LAN antenna (RP-SMA female)
Short Installation Manual
Standard Stand

Tolerance: ± 1mm

Errata and technical modifications reserved

Update Notes:

* Only the latest version can be ordered, previous versions are only for historic reference.

Version:		**Changes:**
v4	-	Update of the audio chip from ALC3236 to ALC3251
v3	-	Removed the S/PDIF-Out (1x Cinch, 1x Torx module) Switched the 8-PIN DIO as RJ45 to 10-PIN DIO as RJ50 *(v3 & v4 drawing on previous page)*
v2	-	First version

v2 drawing: