

# 10.1" Capacitive Touch PC i5-7300U

FT101I5CAPOB

- 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*



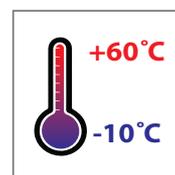
Capacitive PC series stands out among competition with its fanless silent operation, IP65 front panel design, high reliability and fine craftwork.

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 1	(v1)
Applicable to version 2	(v2)
Applicable to version 3	(v3)
Applicable to version 4	(v4)
Applicable to all Versions	None



<b>Product name</b>				<b>10.1" Capacitive Touch PC i5-7300U</b>			
<b>Model number / EAN number</b>				<b>FT1015CAPOB / 6920734010158</b>			
Global Article Code	European Article Code	Release date (DIM/Y)	Version	Global Article Code	European Article Code	Release date (DIM/Y)	Version
3030502967	1010501657	03/12/2019	v1	3030509536	1010502292	01/12/2021	v4
3030504408	1010501877	29/04/2020	v2				
3030504492	1010501934	18/01/2021	v3				

IP Rating	
IP65 Front / IP40 Back	

LCD Panel	
Screen diagonal (Inch/cm)	10.1/25.65
Display active screen size (cm)	21.70×13.60
Aspect ratio	16:10
Physical resolution	1280×800
External Maximum showable resolution - HDMI, DP	1920×1200
Colours displayed	16.7M
Brightness (cd/m <sup>2</sup> )	350
Contrast	800:1
Typical reaction time Tr / Tf (ms)	10/15
Visual Angle horizontal / vertical (°)	170/170
Backlight / Backlight Lifetime (hours)	LED / 20,000

Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	2.30
Gross weight (kg)	4.00 (incl. cartonage)
Housing material	Rubber front case, Aluminum IPC back case
Housing (mm) L × W × H	278.0 × 203.6 × 59.3
Cut-out for clamp supports (mm) L × H	264.0 × 196.0 (v2) (v3) (v4)
Max. wall thickness for clamp supports (mm)	5.0 (v2) (v3) (v4)
Amount of clamps required	4 (v2) (v3) (v4)
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

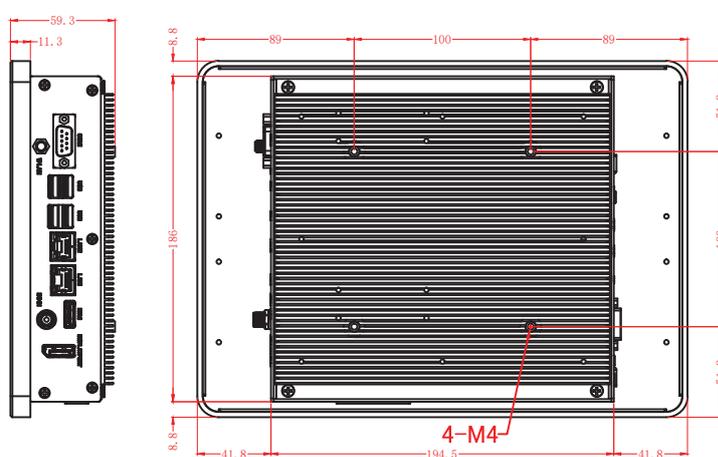
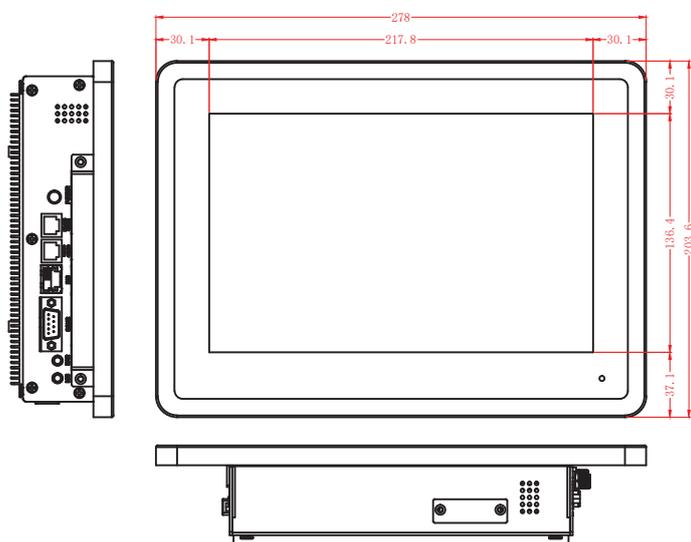
Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Life (Contacts)	Unlimited
Surface Hardness	7H
Surface Treatment	Anti-glare (chemical etching)
Glass Strengthening	Chemically Strengthened

Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	30
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 (v9) (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) (v3) (v2)	
1x 8-PIN DIO as RJ45 (v3) (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

## Update Notes:

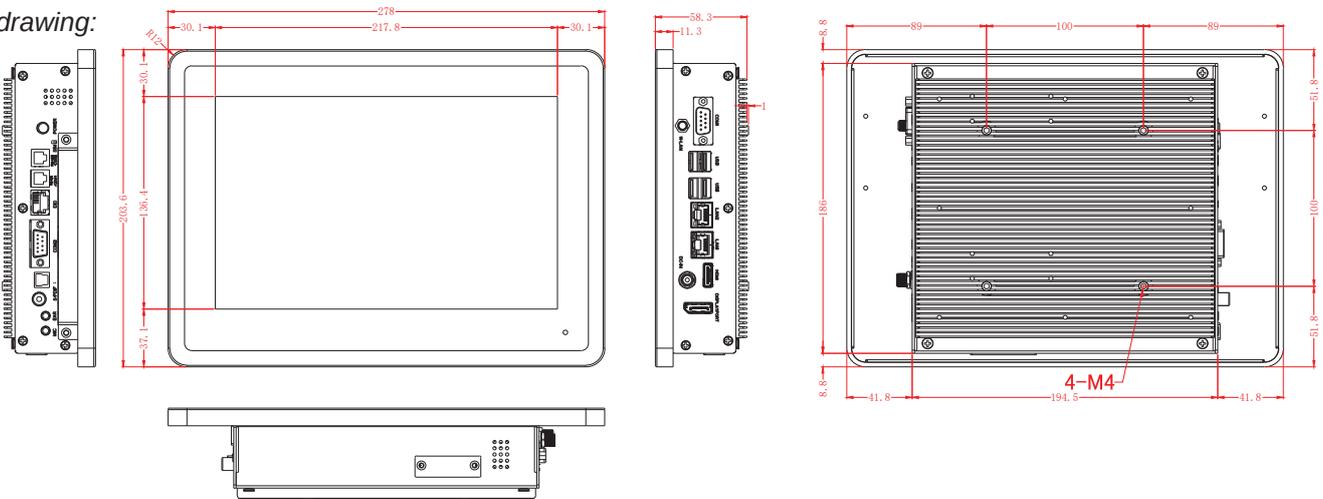
\* Only the latest version can be ordered, previous versions are only for historic reference.

### Version:

### Changes:

- v4** - Update of the audio chip from ALC3236 to ALC3251
- v3** - Housing update (H): 58.3 to 59.3  
Update of internal wiring and components  
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** - Added screwholes for the the clamp support mounting option

### v2 drawing:



### v1

- First version

### v1 drawing:

