

21.5" NCR Self-Service Kiosk J6412

FT215J6412NCRCAPOB



*) Front- & Back-kit Concept - Preliminary Datasheet



- Intel® Celeron® J6412 Processor
- 8GB RAM Memory & 120GB eMMC Storage
- Pre-installed Debian 12 Operating System
- Anti-glare surface treatment (chemical etching)
- 10-Finger-Multi Touch Capacitive Touch Panel
- 0.7mm cover glass with 7H surface hardness
- Optically bonded Touch Panel to LCD Panel
- Integrated Wi-Fi, Thermal Printer, Scanner, Camera
- 2 year guarantee (24/7 operation)



faytech's NCR Kiosks is a modern self-service solution for restaurants, retail, hotels, and any other store that requires a self-service solution.

The Kiosks are build for 24/7 operation and powered by the powerful Elkhart Lake Quad-Core mainboard, with 8G RAM memory and 120GB eMMC storage.

This device has an optically bonded touch panel, which will improve the stability, reduce the reflection, increase the viewing angle, and enhance the perceived brightness. It also provides resistance to dust particles and shows a better image in general.

With the integrated camera, thermal printer and scanner, as well as the stable housing is this the perfect and modern-looking solution for your store. Can be free-standing, mounted on a wall or as a tabletop solution.

Legend / Notes	
Applicable to version 1	(v1)
Applicable to version 2	(v2)
Applicable to all Versions	None



Product name				21.5" NCR Self-Service Kiosk J6412			
Model number / EAN number				FT215J6412NCRCAPOB			
Global Article Code	European Article Code	Release date (D/M/Y)	Version	Global Article Code	European Article Code	Release date (D/M/Y)	Version
3030511037	-	-	v1				

IP Rating	
IP65 Front / IP40 Back	

LCD Panel	
Screen diagonal (Inch/cm)	21.5/54.69
Display active screen size (cm)	47.66 × 26.81
Aspect ratio	16:9
Physical resolution	1920×1080
Colours displayed	16.7M
Brightness (cd/m ²)	250
Contrast	1000:1
Typical reaction time Tr/ Tf (ms)	7/7
Visual Angle horizontal/vertical (°)	178/178
Backlight / Backlight Lifetime (hours)	LED / 30,000

Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	TBD
Gross weight (kg)	TBD (incl. cartonage)
Housing material	White Aluminum IPC housing
Housing (mm) L × W × H	406.3 × 476.4 × 362.4
Mounting	wall-mount, stand or free-standing

External Connectors	
1x 12V DC-In (screwable)	1x POS connector

PC System	
CPU	Intel® Celeron® J6412
GPU	Intel® UHD Graphics
Cores	4
Memory	8GB RAM
Storage	120GB eMMC
Cache	1.5MB
Network	10/100/1000Mbit Network; W-LAN
Pre-installed OS	Debian 12
Supported OS	Debian 12 / Linux Ubuntu / Windows 10 & 11

Touch Panel	
Touch Technology	OGS (One Glass Solution) with 10 touch points
Touch Interface	HID-USB
Sensor Thickness (mm)	0.7
Surface Hardness	7H
TX	44
RX	78

Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	24
Stand-By Consumption (W)	<1

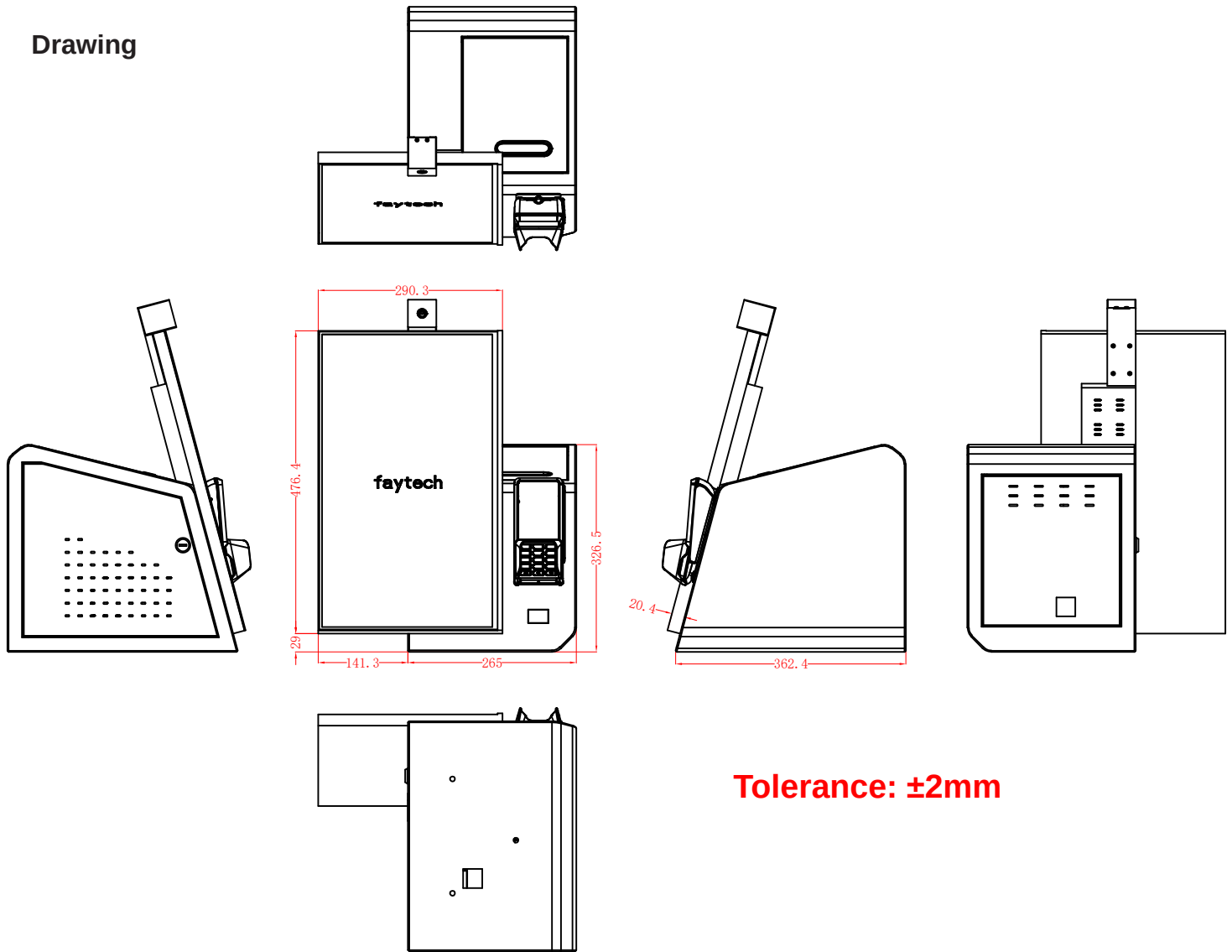
Included in the Delivery	
Power Supply (see Power section)	
Short Installation Manual	

HD Camera	
Module Number	HBVCAM-1716HD V55-(3.6MM)
Module Size	38mm × 38mm × 24.40mm±0.5MM
Focus	Fixed
Object distance	100CM-infinity
Resolution	600LW/PH (Center)
Sensor	OV2710 (1/2.7")
Sensor Package	CSP,Bare Die
Maximum resolution	1920 × 1080
Sensitivity	3300mV / (lux-sec)
Pixel size	3µm × 3µm
S/N Ratio	39 db
Max Dynamic Range	69 db
Shutter type	Electronic rolling shutter
AGC/AEC/Whiter balance	Auto
Output Formats	YUY2/MJPEG
Lens Construction	2G2P
F/No	2.4
EFL	3.6mm
FOV	94°
TV Distortion	<5%
Relative Illumination (Sensor)	70%
IR Filter	650±10nm

Thermal Printer	
Module	SP-EU80
Printing method	direct line thermal
Printing paper width	80±0.5mm
Resolution	8 dots/mm, 576 dots/line
Printing speed	20mm./s (max)
Printing paper	TF50KS—E

2D Barcode Scanner	
Brand	Honeywell
Module	HF521
Specifications	Click to see Datasheet

Drawing



Tolerance: ±2mm

Update Notes:

Version:

v1

-

Changes:

First version

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