



# F210U

## CHERRY TRAIL FANLESS SIGNAGE PLAYER



Intel® Cherry Trail  
Atom® x5-Z8350 processor



VGA (Max. 1920 x 1080 @60 Hz)  
HDMI (Max. 1920 x 1080 @24 Hz)



Onboard Wi-Fi/BT module  
Support 3G/4G module



Fanless design

### CPU

<b>CPU</b>	Intel® Atom® x5-Z8350 processor
<b>Frequency</b>	1.92 GHz
<b>Chipset</b>	SoC
<b>Processing Units</b>	4 Cores
<b>Scenario Design Power</b>	2 W

### System

<b>System Memory</b>	2 GB/4 GB, Onboard DDR3L-1333 MHz
<b>Storage</b>	32 GB/64 GB, Onboard eMMC 1 x TF Card reader
<b>Watchdog Timer</b>	Yes
<b>Auto Power On</b>	Yes
<b>RTC</b>	Set up independently every day, a week as a cycle
<b>Remo on</b>	NA
<b>Power Requirement</b>	DC-IN, 12 V/2.08 A
<b>Dimensions</b>	116.6 mm x 107.4 mm x 30 mm (4.59" x 4.23" x 1.18")
<b>Construction</b>	Metal, Black
<b>Operation System</b>	Windows 8 (64bit) /Windows 10 (64bit) Ubuntu 16.04 (64bit)
<b>Operating Temperature</b>	0°C ~40°C (32°F~104°F) @0.7m/s Air Flow
<b>Humidity</b>	95% @ 40°C (non-condensing)
<b>Certifications</b>	CE, FCC Class B

### Network

<b>Network Controller</b>	1 x Realtek RTL 8111H Gigabit Ethernet
<b>Ethernet Interface</b>	1 x RJ45
<b>Wi-Fi/BT</b>	Onboard Wi-Fi/BT module
<b>Mobile Network</b>	1 x Full-size Mini-PCIe for 3G/4G 1 x SIM Slot

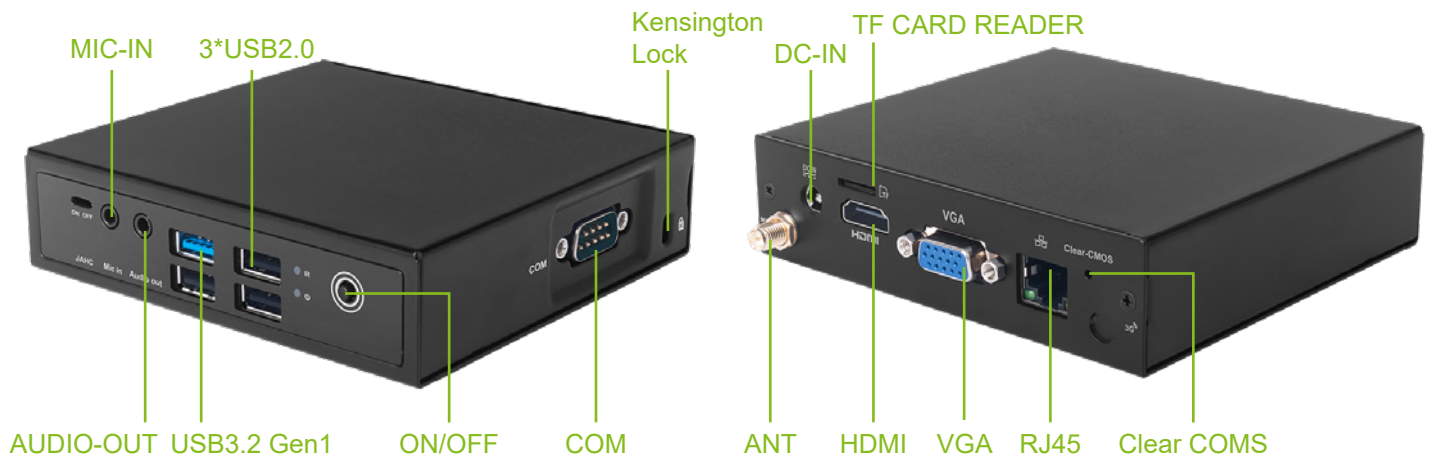
### Display

<b>GPU</b>	Intel® HD Graphics 400
<b>Graphic Engine</b>	DirectX 11, OpenGL 4.0, OpenCL 1.2
<b>Display Interface</b>	1 x VGA (Max. 1920 x 1080 @60 Hz) 1 x HDMI (Max. 1920 x 1080 @24 Hz)

### I/O interface

<b>USB</b>	1 x USB3.2 Gen.1, 3 x USB2.0
<b>Serial Port</b>	1 x RS232
<b>Audio</b>	1 x MIC-IN, 1 x AUDIO-OUT
<b>Button</b>	1 x Power on, 1 x CLR-CMOS
<b>Antenna</b>	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)

## Dimensions and Drawing



## Order information

<b>F210U-BY230</b>	CPU: Intel® Atom® x5-Z8350, RAM: 2 GB, Onboard DDR3L Storage: 32 GB, Onboard eMMC Wi-Fi/BT: Onboard Wi-Fi/BT module
<b>F210U-BY460</b>	CPU: Intel® Atom® x5-Z8350, RAM: 4 GB, Onboard DDR3L Storage: 64 GB, Onboard eMMC Wi-Fi/BT: Onboard Wi-Fi/BT module
<b>Packing List</b>	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
<b>Package</b>	Carton, EPE

## Optional items

<b>VESA Mounting</b>	VESA Mounting Kit (JC530)
<b>Operation System License</b>	Windows 10 (64bit)