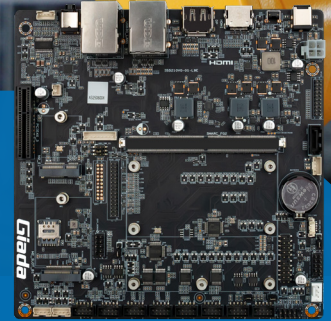


IB5-210

CARRIER BOARD FOR SMARC2.1.1



Compatible with
SMARC v2.1.1 Modules



1 x HDMI1.4 (Max. 4096 x 2160 @60 Hz)
1 x DP1.2 (Max. 4096 x 2160 @60 Hz)
1 x LVDS (Max. 1920 x 1200 @60 Hz)



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



Mini-ITX form-factor
170 mm x 170 mm (6.69" x 6.69")

System

Compatible Module	SMARC v2.1.1 Module
Memory	By SMARC v2.1.1 Module
Storage	By SMARC v2.1.1 Module
Network Controller	By SMARC v2.1.1 Module
Wi-Fi/BT	1 x M.2(2230) for WiFi&BT
Mobile Network	1 x M-Key M.2 (3042) for 3G/4G 1 x Nano SIM Slot
Power Requirement	DC-IN, 12 V ~ 24 V
Dimensions	170 mm x 170 mm (6.69" x 6.69")
Cooling System	1 x 4pin SYS_FAN, 1 x 4pin CPU_FAN
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) @0.7m/s Air Flow
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Humidity	95% @ 60°C (non-condensing)

Order information

IM1-210	CPU: NA Memory: NA Storage: NA Wi-Fi/BT: 1 x M.2(2230) for WiFi&BT
Optional	SMARC v2.1.1 Module: Giada iM1-210

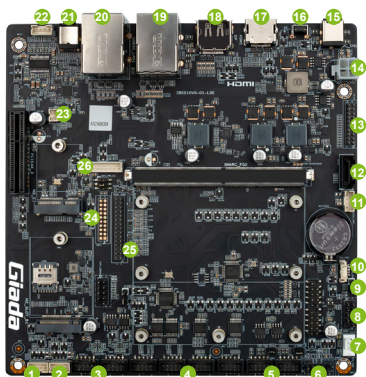
Rear I/O

USB	2 x USB2.0, 2 x US3.2 Gen2
Display Interface	1 x HDMI1.4 (Max. 4096 x 2160 @60 Hz) 1 x DP1.2 (Max. 4096 x 2160 @60 Hz) 1 x LVDS (Max. 1920 x 1200 @60 Hz), colay with eDP
Audio Interface	1 x 2-IN-1 Headset AUDIO-OUT & MIC-IN
Ethernet Interface	2 x 1GbE RJ45

Internal I/O

USB	4 x USB2.0
Display	2 x 15pin single channel LVDS (Max. 1920x1200 @60 Hz) 2 x 10pin single channel eDP (Max. 3840x2160 @60 Hz) Optional: eDP colay with LVDS
Serial port	4 x RS232, signal by 2 x 5pin header 2 x RS485, signal by 2 x 5pin header
GPIO	2 x 10pin, 14 x GPIO
Audio	1 x 2pin MIC, 1 x 4pin SPEAKER
Others	2 x CAN, signal by 2 x 5pin head 2 x 6pin SPI, PCIE4.0 x4(2 Lane)

Dimensions and Drawing



No.	Dimensions
1	I2C
2	SMBUS
3	2*RS485
4	4*RS232
5	2*CAN
6	F_PANEL
7	SYS_FAN
8	SPI
9	USB_OTG
10	CPU_FAN
11	SATA_PWR
12	SATA
13	GPIO

No.	Dimensions
14	ATX
15	DC_IN
16	RECOVER
17	HDMI
18	DP
19	USB2.0/LAN
20	USB3.0/LAN
21	AUDIO
22	SPK
23	MIC
24	EDP
25	LVDS
26	INVT



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