2.1 Hardware Ports

DS110 and DS210
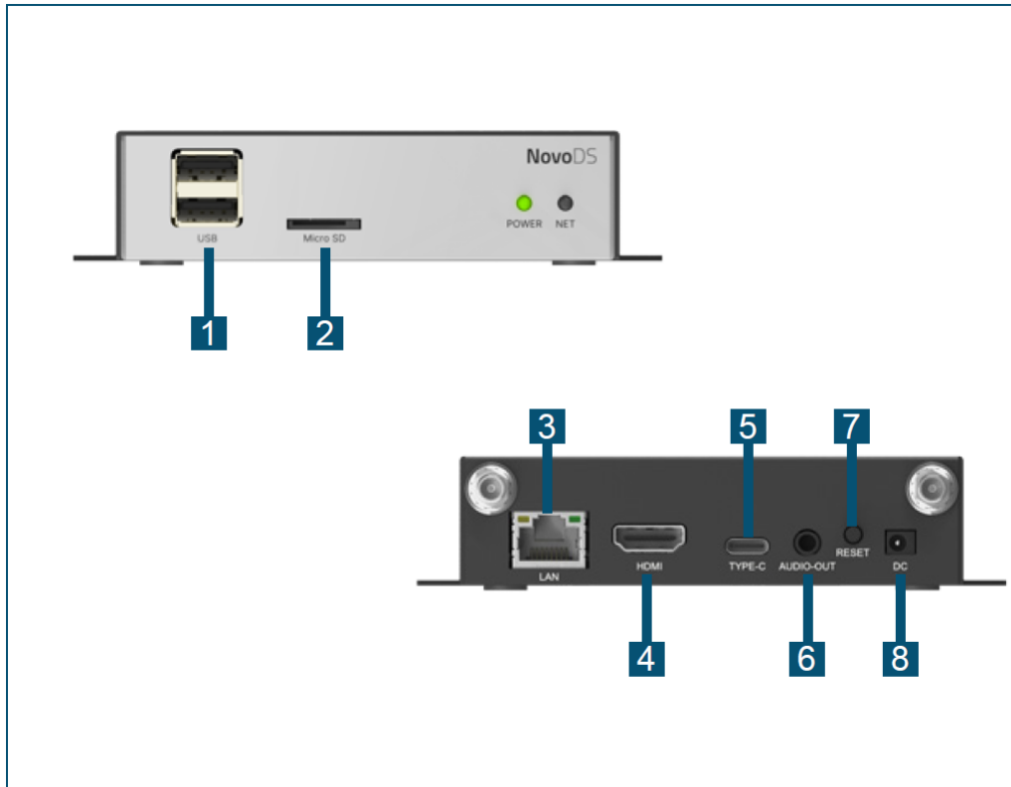
DS110 and DS210

	Port	Function
1	Port USB-A	USB mouse/keyboard and USB thumb drive
2	microSD Card Slot	microSD card for additional storage
3	RJ45 Port	Ethernet connection
4	HDMI Port	Display output
5	Port Type-C	USB mouse/keyboard and USB thumb drive
6	Audio-Out Jack (3.5mm)	Stereo audio output
7	Reset Button	Device reset
8	DC 5V Power Jack	Power input

DS310
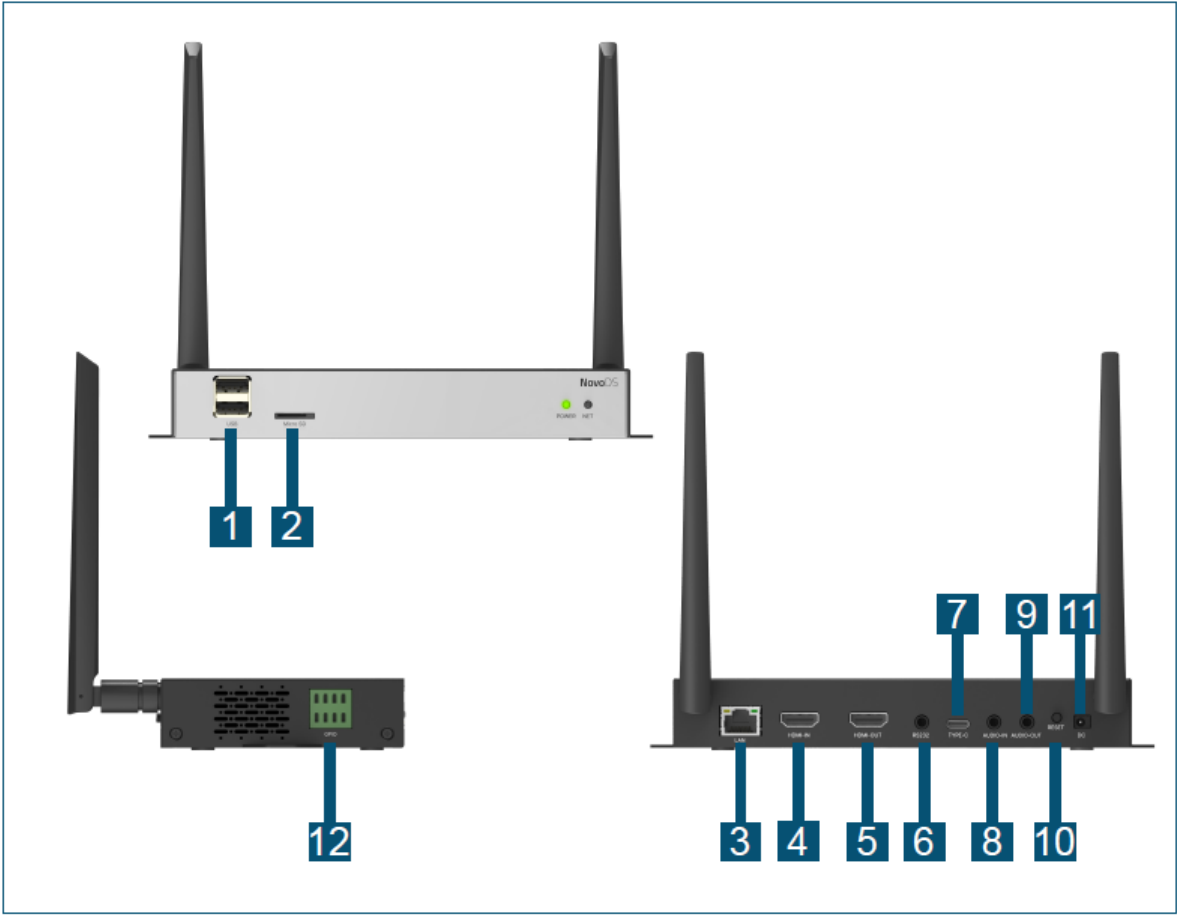
DS 310

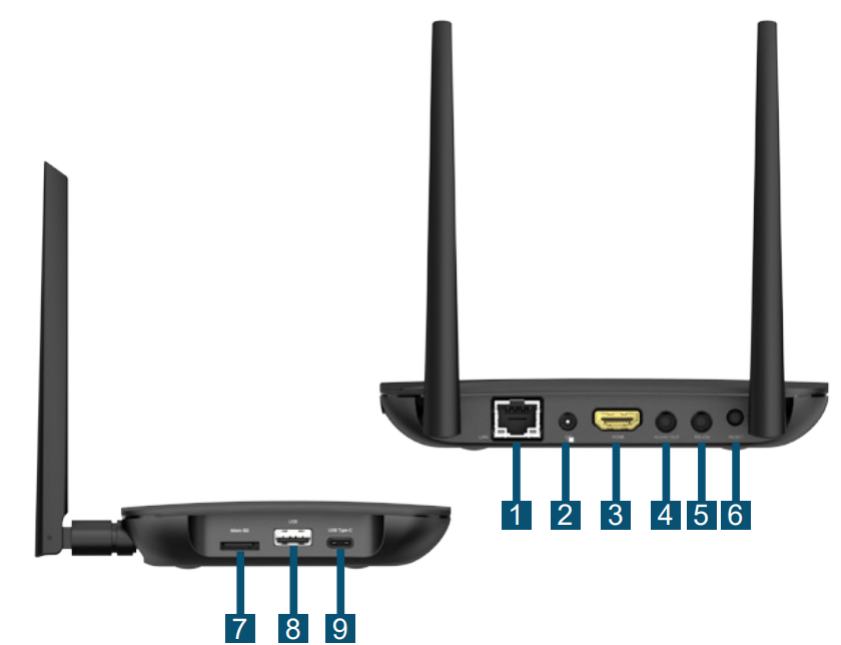|	Port	Function
1	Port USB-A	USB mouse/keyboard and USB thumb drive
2	microSD Card Slot	microSD card for additional storage
3	RJ45 Port	Ethernet connection
4	HDMI-In Port	Display input
5	HDMI-Out Port	Display output
6	RS-232 (3.5mm)	RS-232 serial data
7	Port Type-C	USB mouse/keyboard and USB thumb drive
8	Audio-In Jack (3.5mm)	audio input
9	Audio-Out Jack (3.5mm)	Stereo audio output

10	Reset Button	Device reset
11	DC 5V Power Jack	Power input
12	GPIO	GPIO ports for hardware extension, such as connecting to inputs like buttons and sensors, and/or, outputs like LED lighting and motor control. (1) The pin-out definition is shown in the picture below. (2) Connector type: Phoenix (3) Pin pitch: 3.81mm (0.15″)

6	5	4	3V3
1	2	3	GND

GPIO Connector Pin-outs

DS301

DS301

	Port	Function
1	RJ45 Port	Ethernet connection
2	DC 5V Power Jack	Power input

3	HDMI Port	Display output
4	Audio-Out Jack (3.5mm)	Stereo audio output
5	RS-232 Jack (3.5mm)	RS-232 control port
6	Reset Button	Device reset
7	microSD Card Slot	microSD card for additional storage
8	USB-A Port	USB mouse/keyboard and USB thumb drive
9	USB-C port	USB mouse/keyboard and USB thumb drive

Connecting NovoDS Devices to Display

Step 1 : Connect the NovoDS to a display via the HDMI output port

Step 2 : Connect the AC-DC power adaptor to the DC 5V power jack

Spep 3 (optional) : Connect an Ethernet cable to the RJ45 port (if you need to use LAN connection)

The device comes with a mounting bracket. Typically you can use it to attach the NovoDS device to the back of the display or on the wall.

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