

# Network Port Numbers Used by NovoConnect Devices

Port Numbers are a TCP/IP-network-based device communication end points, through which the communications between a NovoConnect device and its client devices (e.g. laptops, tablets, etc.) are achieved. The following table summarizes all the port numbers being used.

## Notes:

- **Novo Device** – Refers to NovoPro, X700, X900
- **Studio PC** – Refers to the computer that runs NovoDS Studio
- **RDM PC** – Refers to the computer that runs Remote Manager
- **DSA Devices** – Refers to the computer that runs NovoConnect software and mobile devices that runs NovoPresenter/NovoConnect App
- **AirPlay Devices** – Refers to MacBook, iPhone, iPad that runs Airplay
- **Google Cast Devices** – Refers to Android phone/tablet and Chromebooks that runs Google Cast

Port Number	Type	Source	Used by	NovoPro	X700	X900	NovoTouch	NovoTouch	NovoTouch	NovoDisplay	NovoDisplay
				V2.7.x			LK-1	EK-1	EK-2	K1000	K2000/ K2100
80	TCP	World Wide Web	World Wide Web – Novo Device	✓	✓	✓	✓	✓	✓	✓	✓
443	TCP	World Wide Web	World Wide Web – Novo Device	✓	✓	✓	✓	✓	✓	✓	✓
554	TCP/UDP	Novo Device AirPlay Devices	Novo Device – AirPlay Devices	✓	✓	✓	☐	☐	☐	☐	☐

1900	UDP	Novo Device Google Cast Devices	Novo Device – Google Cast Devices	✓	✓	✓	☐	☐	☐	☐	☐
3689	TCP	Novo Device AirPlay Devices	Novo Device – AirPlay Devices	✓	✓	✓	☐	☐	☐	☐	☐
5353	UDP	Novo Device AirPlay Devices Google Cast Devices	Novo Device – AirPlay Devices Novo Device – Google Cast Devices	✓	✓	✓	☐	☐	☐	☐	☐
7236	TCP	Win10 PC	Novo Device – Win10 PC	–	✓	✓	✓	✓	✓	✓	✓
7450	UDP	Novo Device	Win10 PC	–	✓	✓	☐	☐	✓	☐	☐
8008 8009	TCP	Novo Device Google Cast Devices	Novo Device – Google Cast Devices	✓	✓	✓	✓	✓	✓	✓	✓
8080	TCP	Novo Device	Novo Device – Http Request	✓	✓	✓	✓	✓	✓	✓	✓
9440	TCP	Novo Device	Novo Device – Https Request	–	✓	✓	✓	✓	✓	✓	✓
9443	TCP	Novo Device	Novo Device – Https Request	–	✓	✓	✓	✓	✓	✓	✓
9444	TCP	Novo Device	NovoUpgrade – RDM PC	✓	✓	✓	✓	✓	✓	✓	✓
9445	TCP	Novo Device	Novo Device – DSA Devices	–	✓	✓	✓	✓	✓	✓	✓
9876	UDP	Novo Device DSA Devices	Novo Device – DSA Devices	–	✓	✓	✓	✓	✓	✓	✓
9878	UDP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
15550	UDP	Novo Device	Novo Device – Win10 PC	–	✓	✓	✓	✓	✓	✓	✓
15551	UDP	Novo Device	Novo Device – Win10 PC	–	✓	✓	✓	✓	✓	✓	✓
20005	TCP	Win10 PC	Novo Device	–	✓	✓	☐	☐	✓	☐	☐
20109	UDP	Novo Device	Novo Device – Studio PC	–	✓	✓	✓	✓	✓	✓	✓
20110	TCP	Novo Device	Novo Device – Studio PC Novo Device – RDM PC	–	✓	✓	✓	✓	✓	✓	✓

20111	TCP	Studio PC	Studio PC – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20112	UDP	Novo Device	Novo Device – Studio PC	–	✓	✓	✓	✓	✓	✓	✓
20113	TCP	Novo Device	Novo Device – Studio PC	–	✓	✓	✓	✓	✓	✓	✓
20114	TCP	Studio PC	Studio PC – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20116	UDP	Novo Device Studio PC	Novo Device – Studio PC	–	✓	✓	✓	✓	✓	✓	✓
20117	TCP	Novo Device	Novo Device – Studio PC	–	✓	✓	✓	✓	✓	✓	✓
20118	UDP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20119	TCP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20121	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20122	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20123	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20124	UDP	Novo Device DSA Devices	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20129	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	–	✓	✓	✓	✓	✓
20130	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20131	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20132	TCP	Novo Device	Novo Device – RDM PC	✓	✓	✓	✓	✓	✓	✓	✓
20140	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20141	UDP	Novo Device	Novo Device – RDM PC	✓	✓	✓	✓	✓	✓	✓	✓
20142	UDP	RDM PC	RDM PC – Novo Device	✓	✓	✓	✓	✓	✓	✓	✓
20161	TCP	Novo Device	Novo Device – DSA Devices	✓	✓	✓	✓	✓	✓	✓	✓
20162	TCP	RDM PC	RDM PC – Novo Device	✓	✓	✓	✓	✓	✓	✓	✓
20192	TCP	RDM PC	RDM PC – Novo Device	✓	✓	✓	✓	✓	✓	✓	✓

20193	TCP	RDM PC	RDM PC – Novo Device	✓	✓	✓	✓	✓	✓	✓	✓
20194	TCP	Novo Device	Novo Device – DSA Devices Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20200	TCP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20202	UDP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20203	UDP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20206	UDP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20207	UDP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20300	TCP	Novo Device	Novo Device – Novo Device	–	✓	✓	✓	✓	✓	✓	✓
20301	UDP	Novo Device	RDM PC – Novo Device	–	✓	✓	–	✓	✓	✓	✓
50000	TCP	Win10 PC	Novo Device – Win10 PC	–	✓	✓	–	–	–	–	–