



WYRESTORM NETWORKHD™ SWITCH RECOMMENDATIONS

Although NetworkHD™ will work independently on any Layer2 SMART switch with support for multicast & IGMP snooping, it is recommended that a managed Layer3 switch is used if NetworkHD™ is to be successfully integrated with existing networks.

It is also important to take into account the bandwidth requirements of the number of NHD-IP-TX transmitters to ensure there is sufficient bandwidth throughout the network. Each NHD-IP-TX adds 150Mb/s of traffic to the network so if a source is to be viewed on a receiver there must be enough headroom in the network for the data-throughput.

It should be noted that due to NetworkHD™'s use of Multi-casting, NHD-IP-RX receivers do not increase network load at all.

During our extensive testing and beta trials we have also found that many brands of PoE switches use PoE components that are not compatible with devices that ground through HDMI and are therefore incompatible with NetworkHD™.

To ensure the best possible experience when installing NetworkHD™, WyreStorm recommends the following switches and connectivity for the following size of systems.

Single switch Installs with any number of NHD-IP-TX sources or dual-switch installs with less than 6 NHD-IP-TX sources.

Cisco

SG300-10	SG300-28MP	SG500-52MP
SG300-10P	SG300-52	SG500X-24
SG300-10PP	SG300-52P	SG500X-24P
SG300-10MP	SG300-52MP	SG500X-24MPP
SG300-10MPP	SG500-28	SG500X-48
SG300-20	SG500-28P	SG500X-48P
SG300-28	SG500-28MPP	SG500X-48MP
SG300-28P	SG500-52	SG500XG-8F8T
SG300-28PP	SG500-52P	

Dell

PowerConnect 2808	PowerConnect 2824
PowerConnect 2816	PowerConnect 2848

Dual switch Installs with less than 13 NHD-IP-TX sources

*Requires 2 x 1Gigabit SFP Fibre connections between switches

Cisco

SG300-10	SG300-52P	SG500X-48
SG300-10P	SG300-52MP	SG500X-48P
SG300-10PP	SG500-28	SG500X-48MP
SG300-10MP	SG500-28P	SG500XG-8F8T
SG300-10MPP	SG500-28MPP	
SG300-20	SG500-52	
SG300-28	SG500-52P	
SG300-28P	SG500-52MP	
SG300-28PP	SG500X-24	
SG300-28MP	SG500X-24P	
SG300-52	SG500X-24MPP	

Dell PowerConnect

PowerConnect 2824

PowerConnect 2848

Multi switch installations with 14 NHD-IP-TX sources up to 60 sources:

*Requires 10Gigabit SFP Fibre connections between switches

Cisco

SG500X-24	SG500X-48P
SG500X-24P	SG500X-48MP
SG500X-24MPP	SG500XG-8F8T
SG500X-48	

Multi switch installations with 60 NHD-IP-TX sources up to 125 sources:

*Requires 2 x 10Gigabit SFP Fibre connections between switches

Cisco

SG500X-24	SG500X-48P
SG500X-24P	SG500X-48MP
SG500X-24MPP	SG500XG-8F8T
SG500X-48	

For systems with more than 125 NHD-IP-TX sources, please contact WyreStorm technical support.

You will find guides to how to configure these switches in the NetworkHD™ user guide or at wyrestorm.com.