

NORRD

HDBaseT™ Wallplate extender Kit | NX1-310WP



Sleek HDBaseT Wallplate with both HDMI and USB-C Video input

Norrd NX1-310WP is a meeting-room-ready wallplate extender kit with built-in USB-C and HDMI inputs and automatic 2-way switching, letting presenters connect with whichever cable suits their device. The EU 1-gang wallplate sends uncompressed HDMI 2.0b video over HDBaseT to the receiver through a single CAT6/6A cable, supporting up to 4K@60Hz 4:4:4 with full 18 Gbps bandwidth and HDR formats for sharp, accurate image reproduction. Built for real-world installations, NX1-310WP reaches up to 40 m at 4K60 or 70 m at 1080p, making it ideal when displays and sources are separated across rooms, tables, or ceilings. Integration is straightforward thanks to two-way IR and RS-232 pass-through for remote control of both source and display. Power is flexible: with 24V Power-over-Cable, you can supply power at whichever end suits the install, reducing the need for extra outlets and simplifying retrofit jobs. The receiver features audio de-embedding for connecting to external audio systems such as DSP processors and amplifiers. In short, NX1-310WP is a tidy, professional wall-to-display solution that delivers dual-input switching, full-quality 4K video, long-distance reliability, and integrator-friendly control — perfect for modern meeting rooms, classrooms, and collaboration spaces.

KEY FEATURES

Key Features

- User-facing wallplate with HDMI and USB-C BYOD connectivity
- Automatic source selection for effortless meeting use
- Power over Cable (PoC) simplifies receiver-side powering
- Two-way RS-232, IR, and CEC control for integrators
- Bidirectional power provides freedom to power from the wallplate or receiver end

VIDEO	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Max Video Resolution	Up to 4K@60Hz 4:4:4
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Color Depth	8/10/12-bit
HDR Support	HDR, HDR10, HDR10+, Dolby Vision, HLG
EXTENSION	
Transmission Technology	HDBaseT 1.0 (VS10 transmitter)
Max Distance (1080p)	230ft / 70m over CAT6/6A
Max Distance (4K60)	131ft / 40m over CAT6/6A
AUDIO	
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
CONNECTIONS (TX WALLPLATE)	
HDMI Input	1× HDMI IN (Type-A, 19-pin female)
HDBaseT Output	1× HDBaseT OUT (RJ45)
RS-232 Port	1× RS-232 (Phoenix)
IR Ports	1× IR IN, 1× IR OUT (3.5mm stereo)
Service Port	1× Micro-USB (service)
CONNECTIONS (RX)	
HDBaseT Input	1× HDBT IN (RJ45)
HDMI Output	1× HDMI OUT (Type-A, 19-pin female)
Audio Output	1× 3.5mm stereo analog out
RS-232 Port	1× RS-232 (Phoenix)
IR Ports	1× IR IN, 1× IR OUT (3.5mm stereo)
Service Port	1× Mini-USB (update port)
CONTROL	
IR Control	Two-way IR pass-through
RS-232 Control	Two-way RS-232 pass-through
POWER	
Power Options	24V PoC from either end OR local DC 24V/1A
PoC Switch	Built-in PoC on/off switch (receiver)
Power Supply Input	AC100-240V 50/60Hz; DC 24V/1A adapter
Power Consumption	Wallplate 3.36W; Receiver 5.6W
MECHANICAL	
Wallplate Dimensions (W×D×H)	80 × 80 × 38 mm
Receiver Dimensions (W×D×H)	140 × 65 × 18 mm
Weight	Wallplate 157g; Receiver 249g
Front Panel Material	Aluminium
Rear Case Material	Metal
ENVIRONMENT	
Operating Temperature	0–40°C (32–104°F)
Storage Temperature	–20–60°C (–4–140°F)
Operating Humidity	20–90% RH, non-condensing
PROTECTION & COMPLIANCE	
ESD Protection	IEC 61000-4-2: ±8kV air, ±4kV contact