Multiple HDMI Extender Modules in a Rack
XTENDEX®

Extend HDMI and IR signals from 24 HDMI sources from a single 2RU rack tray

- Designed for use with NTI's HDMI rackmount transmitter modules.
- Mount up to 12 modules in a single 2RU tray.
  - Up to 24 HDMI signals can be extended from one Rackmount Module Tray using 12 Dual HDMI Transmitter Modules.
  - Decreased downtime due to easy replacement of extender modules.
- Local access — supports local and remote HDMI displays.
- Optional Dual HDMI Transmitter Modules house two local units in a single case.
- Extend each remote unit up to 279 feet over a single CAT7 cable.
- Cable/power supply management shelf included.
- Includes eleven blank front panel covers.
  - Hides open slots on the tray.
  - Prevents change in airflow through rack cabinets.
- Available extender modules (all models support IR control):
  - HDMI with local access to 1 HDMI source.
  - HDMI with local CEC support and local access to 1 HDMI source.
  - Dual HDMI with local access to 2 HDMI sources.
  - Dual HDMI with local CEC support and local access to 2 HDMI sources.
  - HDMI desktop remote unit with CEC support.
- High quality, rugged steel construction with durable powder coat finish.
- Only one power supply is necessary per local rackmount module to power both the local module and remote unit(s).

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE   DIGITAL SIGNAGE

XTENDEX® ST-C6RCK-12A with ST-C6HD-LA-2L-300M Extender Models (Front)

- **Extend 2 HDMI signals with 1 local module — connect up to 24 sources in 2RU tray**
- **Local Acces**
- **IR Control**

The XTENDEX® Rackmount Extender Module Tray allows you to mount up to 12 extender modules in a space-saving 2RU shelf. The local extender modules and remote desktop units are interconnected via one CAT7 cable.

Specifications

Rackmount Extender Module Tray

Dimensions

- Rack shelf WxDxH: 19x14.71x3.5 in. (483x374x89 mm)
- Blank panel cover WxH: 1.38x3.5 in. (35x89 mm)

HDMI Extender Modules

- Transmits a single HDMI signal over one CAT7 cable.
- Dual HDMI option includes two local units housed in a single case.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA).
- HDMI features supported:
  - 12-bit Deep Color
  - x.v.Color
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
  - Bandwidth up to 225 MHz (6.75 Gbps)
  - Optional CEC (Consumer Electronic Control) for local display
  - Standard CEC support for remote display
  - Lip Sync
- HDCP compliant.
- Supports Infrared Remote (IR) control.
  - Full IR control of HDMI source from remote HDTV using existing source remote control.
- Cables not included.

Dimensions

- WxDxH: 1.38x3.51x3.50 in. (35x89x89 mm)

Regulatory Approvals

- CE, RoHS
- TAA compliant

Warranty

- Two years

Connectors

- Local unit
  - ST-C6HD-LA-L-300M, ST-C6HD-CLA-L-300M:
    - One female HDMI connector for source.
    - One female HDMI connector for local display access.
    - One female 3.5mm port for IR emitter.
    - One female RJ45 port for sending/receiving high definition video/audio signals, IR signal, optional CEC signal, and DDC signal.
  - ST-C6HD-LA-2L-300M, ST-C6HD-CLA-2L-300M:
    - Two female HDMI connectors for two HDMI sources.
    - Two female HDMI connectors for two HDMI displays.
    - Two female 3.5mm ports for IR emitter.
    - Two female RJ45 ports for sending/receiving high definition video/audio signals, IR signal, optional CEC signal, and DDC signal.
- Remote unit
  - ST-C6HD-IR-R-300:
    - One female HDMI connector for display.
    - One female 3.5mm port for IR receiver.
    - One female RJ45 port for sending/receiving high definition video/audio signals, IR signal, CEC signal, and DDC signal.
  - Dual HDMI local units require two remote units.

Dual HDMI Transmitter Module ST-C5HD-LA-2L-300M (Front & Back)

Extend HDMI and IR signals from 24 HDMI sources from a single 2RU rack tray

Cables

- Use HD-xx-MM cable to connect an HDMI source or display.
- Use DVI-HD-xx-MM cable to connect a DVI source or display.
- Use CAT7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
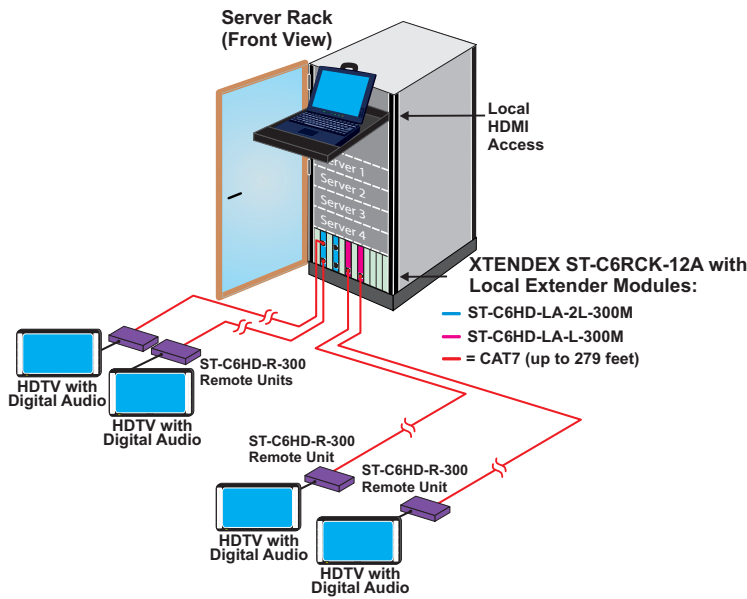
Optional Power Distribution Module

- Power up to 12 Rackmount Extender Modules.
- Outputs +24VDC.
- Power consumption: 340W (max)

Distances and Resolutions for CAT7 Cables

Cable	Distance	Maximum Standard Resolution
CAT7 Solid STP	200 ft (61 m)	1080p / 60Hz / 8-bit
		1080i / 60Hz / 12-bit
	279 ft (85m)	1080p / 24Hz
		1080i / 60Hz / 8-bit
		480p / 60Hz / 12-bit

Configuration and Cable Illustration

Server Rack (Front View)

Local HDMI Access

Server 1
Server 2
Server 3
Server 4

XTENDEX ST-C6RCK-12A with Local Extender Modules:
- ST-C6HD-LA-2L-300M
- ST-C6HD-LA-L-300M
- = CAT7 (up to 279 feet)

ST-C6HD-R-300 Remote Units

HDTV with Digital Audio

HDTV with Digital Audio

ST-C6HD-R-300 Remote Unit

ST-C6HD-R-300 Remote Unit

HDTV with Digital Audio

HDTV with Digital Audio

2RU Rackmount Extender Module Tray Models

NTI Part#	Description
ST-C6RCK-12A	2RU Rackmount Extender Module Tray
ST-C6PWR-RCK24	Power Distribution Module

HDMI Extender Modules to 300 Feet (91 Meters)

Local or Remote	Rackmount Module or Desktop Unit	NTI Part#	Dimensions WxDxH	Features
Local	Rackmount Module	ST-C6HD-LA-L-300M	1.38x3.51x3.50 in. (35x89x89 mm)	Local Access
Local	Rackmount Module	ST-C6HD-CLA-L-300M	1.38x3.51x3.50 in. (35x89x89 mm)	CEC, Local Access
Local	Rackmount Module	ST-C6HD-LA-2L-300M	1.38x3.51x3.50 in. (35x89x89 mm)	Local Access, Dual HDMI
Local	Rackmount Module	ST-C6HD-CLA-2L-300M	1.38x3.51x3.50 in. (35x89x89 mm)	CEC, Local Access, Dual HDMI
Remote	Desktop Unit	ST-C6HD-IR-R-300	2.54x3.09x1.08 in. (65x79x27 mm)	Compatible with all local units

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