



RTK-X3™

Product Specification

Updated: 07/09/2026



The RTK-X3 is a conference room table extension solution with for BYOD/BYOM laptops. It includes three USB-C inputs and one HDMI input at the table and supports USB 3.2 data to the receiver. The USB-C ports support audio, video, data and laptop power for a single cable user experience.

KEY FEATURES

- Integrated 4x1 video switch with 3 USB-C DP alt mode inputs and 1 HDMI input.
- Single cable laptop connection including USB-C power delivery up to 100W.
- Simple Plug & Play installation, no programming required.
- Controllable from RS232, auto-switching, or direct codec integration (codec dependent).

TECHNICAL SPECS

- SCTLINK Cables: Two link cables required (SCTLINK3 and SCTLINK4)
- Video Format: HDMI, up to 4K@60 4:4:4. HDCP up to v2.2
- USB (RTK-X3-TX): USB-C full featured port supporting DP Alt Mode video (input) and up to 100W Power Delivery. USB-A Ports (x2) supporting USB 3.0 devices.
- USB (RTK-X3-RX): USB-C port supporting DP Alt Mode video (output).
- Video Input (RTK-X3-RX): HDMI local source input, up to 4K@60 4:4:4. HDCP up to v2.2
- Video Output (RTK-X3-RX): HDMI table output and local loop output, up to 4K@60 4:4:4. HDCP up to v2.2
- USB Tier Usage: 3 tiers (hubs) per linked set
- USB-A Output Power (each): 5VDC @500mA continuous. Overload/short-circuit 1.25A max
- Daig RS-232 (RTK-X3-RX): 3-Pin Terminal Block for codec integration.
- 3rd Party RS-232 (RTK-X3-RX): 3-Pin Terminal Block for third party integration.

- Audio In (RTK-X3-RX): 3.5mm TRS Jacks, Stereo Line Level Unbalanced for audio capture to USB.
- Audio Out (RTK-X3-RX): 3.5mm TRS Jacks, Stereo Line Level Unbalanced loop out.

SCTLINK3™, SCTLINK4™ CABLE SPECS

Cable Type	Max Video resolution	Range (typical)
CAT6A (U/FTP)	4K/60Hz/4:4:4	100m
	4K/60Hz/4:2:0 HDR 12bit	100m
CAT6A (F/UTP)	4K/60Hz/4:4:4	70m
	4K/60Hz/4:2:0	100m
CAT5e/CAT6 (UTP)	4K/60Hz/4:4:4	50m
	4K/60Hz/4:2:0 HDR 12bit	70m

Wiring Termination Standard T568A or T568B
5m Minimum - 100m Maximum Length

Power Consumption RTK-X3-TX will consume 13.1W, *plus* the power consumption of attached USB and PoE Devices. RTK-X3-RX consumes 9.9W.

MODULE & POWER SUPPLY SPECS

RTK-X3-TX Transmitter Module

- Imperial Dims: H: 1.54" x W: 10.5" x D: 4.9"
- Metric Dims: H: 39mm x W: 267mm x D: 125mm
- Weight: 1.2 lbs / 524g

RTK-X3-RX Receiver Module

- Imperial Dims: H: 1.26" x W: 10.08" x D: 4.9"
- Metric Dims: H: 32mm x W: 256mm x D: 125mm
- Weight: 1.0 lbs / 468g

WPS-30V2A™ Power Supply (For RX, Included)

- Imperial Dims: H: 1.19" x W: 1.85" x D: 4.65"
- Metric Dims: H: 30mm x W: 47mm x D: 118mm
- Weight: 0.5 lbs / 236g
- Input: 100 to 240VAC, 47-63Hz, 1.45A Max

- Output: 30VDC, 2A Max
- Output Connector: 5.5mm x 2.5mm DC Plug
- Regulatory Approvals:

UL, CE, FCC, CCC, TÜV, RCM+GEMS, LPS,
BIS, PSE, CB, DoE VI, CoC V5 & RoHS2

WPS-48V5.63A™ Power Supply (For TX, Included)

- Imperial Dims: H: 1.63" x W: 3.45" x D: 8.03"
- Metric Dims: H: 42mm x W: 88mm x D: 204mm
- Weight: 1.8 lbs / 800g
- Input: 100 to 240VAC, 50-60Hz, 3.5A Max
- Output: 48VDC, 5.62A Max
- Output Connector: 3 Pin-Din
- Regulatory Approvals:

UL, cUL, TUV SUD, CE, FCC, BSMI, PSE, NRCAN,
DoE, CEC, IEMP

PRODUCT WARRANTIES

www.soundcontrol.net/support

Included: 3 Year Standard
Advance Replacement
Limited Warranty

Available: 2 Year Extended
Advance Replacement
Limited Warranty



SOLUTION FINDER

Not sure where to start? Try our Solution Finder!
www.soundcontrol.net/solution-finder

