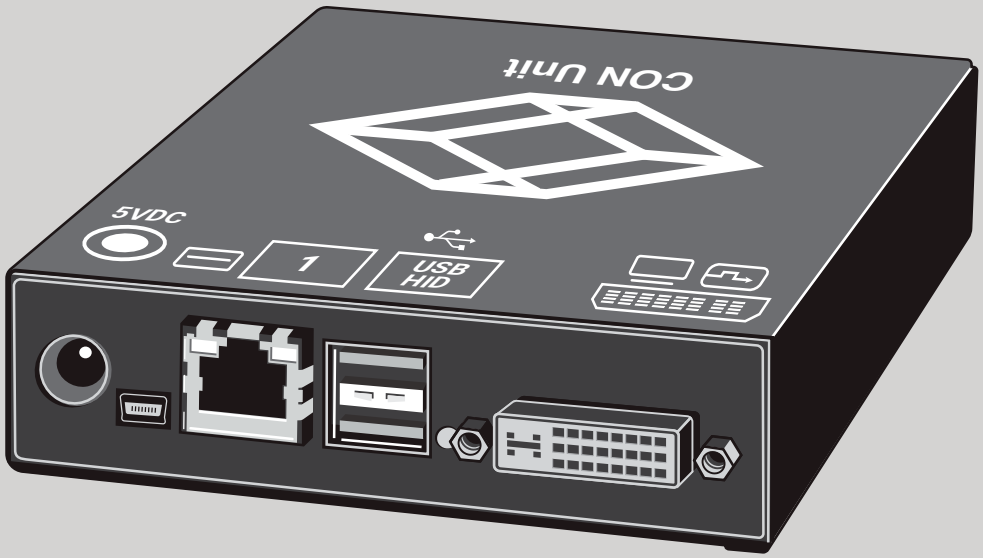
DATA SHEET

ACX1T, ACX1R

DKM COMPACT KVM EXTENDERS

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



BLACK BOX

OVERVIEW

DKM COMPACT KVM EXTENDERS DATA SHEET

INTRODUCTION

Increase the distance between a source (computer, CPU) and its console (keyboard, mouse, and other peripheral devices). Use the Compact Extenders in standalone applications (point-to-point). They are compatible with the DKM and DKM HD modular extenders.

FEATURES

- CHOOSE THE COMPACT EXTENDERS TO SUIT YOUR APPLICATION.
- MOUNT THE EXTENDERS ON A TABLETOP, DIN RAIL, OR 19-INCH RACK (OPTIONAL WALLMOUNT AND RACKMOUNT KITS ARE AVAILABLE).
- COMPATIBLE WITH THE DKM MODULAR EXTENDERS, AND THE DKM AND DKM FX SWITCHES.

PHOTOS

DKM COMPACT KVM EXTENDERS DATA SHEET

TWISTED-PAIR COMPACT EXTENDERS

Compact Extender Twisted-Pair Transmitter
(ACX1T-11-C)

Compact Extender Twisted-Pair Receiver
(ACX1R-11-C)

FIBER COMPACT EXTENDERS

Compact Extender Fiber Transmitter
(ACX1T-14AHS-SM)

Compact Extender Fiber Receiver
(ACX1R-22-SM)

NOTE: ACX1T-14AHS-SM must be used with ACX1R-14AHS-SM or the compatible modular extender at the receiver end of the link. Fiber receiver photo (ACX1R-14AHS-SM) is not shown.

NOTE: ACX1R-22-SM must be used with ACX1T-22-SM or the compatible modular extender at the transmitter end of the link. Fiber transmitter photo (ACX1T-22-SM) is not shown.

SPECIFICATIONS

DKM COMPACT KVM EXTENDERS DATA SHEET

CPU (TX) AND CONSOLE (RX) COMPACT EXTENDERS GENERAL SPECIFICATIONS

EACH UNIT, CPU (TX) OR CONSOLE (RX)			
Specification	Value	Specification	Value
Computer/CPU Interface	Depends on extender	Power Source	Per unit: 5-VDC; Single-head devices: 800 mA max.; Dual-head devices: 1600 mA max.
Console Interface	Depends on extender	Output Voltage	5 VDC
Compatible Rackmount Kits	Will mount in 19-inch rack (using ACS2209A-RMK rackmount kit) or on a DIN rail using (DRMVACU-S DIN-rail mount kit.)	Output Current	5 Amps
Connectors	CPU (TX) compact extender: Interconnect: (1) or (2) RJ-45, LC, or LC SM connectors; Video/Audio: DVI-D, DVI-I, DVI (VGA); USB-HID: (1) or (2) USB Type B, (1) or (2) Mini USB; CON (RX) compact extender: Interconnect: (1) or (2) RJ-45, LC, or LC SM connectors; Video/Audio: DVI-D, DVI-I, DVI (VGA); USB-HID: (2) or (4) USB Type A, (1) or (2) Mini USB	Operating Temperature	+41 to +113° F (+5 to +45° C)
DDC Support	Several options here. Use monitor DDC from RX, 4:3, 16:9	Storage Temperature	-13 to 140° F (-25 to +60° C)
Dimensions	Single-height units: 1.1"H x 4"W x 5.6"D (2.8 x 10.2 x 14.2 cm); Dual-height units: 1.7"H x 4”W x 5.6”D (4.3 x 10.2 x 14.2 cm)	Operating Humidity	80%, noncondensing
Hotkey Support	Yes, when main DKM switch is connected (Shift, Shift)	OSD Supported	Yes, use hotkeys to open it when the DKM is also installed (Shift, Shift, O)
Indicators	Status LEDs, depends on extender	PC Selection	Point to Point: no interface, always connected DKM KVM Switch: Hotkeys
Operating System Support	All Windows, MAC, Sun, Linux/Unix	MTBF	400,000 hours
Weight	0.7 lb. (0.3 kg)	Approvals	FCC Class A, Part 15, CE
Maximum Distance between TX and RX	400 feet (140 m) using solid conductor CATx cable. 200 feet (70 m) using stranded conductor CATx cable. 32,800 feet (10,000 m) using single-mode 9-µm fiber cable. 3,280 feet (1000 m) using multimode 50-µm (OM3) cable. 1,300 feet (400 m) using multimode 50-µm cable. 650 feet (200 m) using multimode 62.5-µm cable. NOTE: If you are using multimode fiber cable with the Single Mode transmitter and receiver modules, you normally can double the maximum acceptable cable length.		

SPECIFICATIONS

DKM COMPACT KVM EXTENDERS DATA SHEET

FIBER CPU (TX) AND CONSOLE (RX) COMPACT EXTENDERS SPECIFICATIONS

FIBER INTERCONNECT MODULES WITH DVI VIDEO/AUDIO										
Product Code	CPU or CON	Fiber Interconnect	Single-Head or Dual-Head	Single-Link or Dual-Link	Video/ Audio	USB Type B	USB Type A (USB-HID)	Mini USB	Resolution	Additional Features
ACX1T-11HS-SM	CPU	(1) LC SM fiber	Single	Single	DVI-D*	1	—	1	1920 x 1200	Uses 2.5 Gbps
ACX1R-11HS-SM	CON	(1) LC SM fiber			DVI-D*	—	2	1	1920 x 1200	Uses 2.5 Gbps
ACX1T-11-SM	CPU	(1) LC SM fiber	Single	Single	DVI-D*	1	—	1	1920 x 1200	—
ACX1R-11-SM	CON	(1) LC SM fiber			DVI-D*	—	2	1	1920 x 1200	—
ACX1T-11VHS-SM	CPU	(1) LC SM fiber	Single	Single	DVI-I**	1	—	1	1920 x 1200	Uses 2.5 Gbps
ACX1R-11VHS-SM	CON	(1) LC SM fiber			DVI-D*	—	2	1	1920 x 1200	Uses 2.5 Gbps
ACX1T-11V-SM	CPU	(1) LC SM fiber	Single	Single	DVI-I**	1	—	1	1920 x 1200	IR remote control
ACX1R-11V-SM	CON	(1) LC SM fiber			DVI-D*	—	2	1	1920 x 1200	IR remote control
ACX1T-12A-SM	CPU	(1) LC SM fiber	Single	Single	DVI-D*	2	—	1	1920 x 1200	—
ACX1R-12A-SM	CON	(1) LC SM fiber	Single	Single	DVI-D*	—	4	1	1920 x 1200	—
ACX1T-12D-SM	CPU	(1) LC SM fiber	Single	Single	DVI-D*	2	—	1	1920 x 1200	(1) TOSLINK (S/PDIF), (1) RCA female, (1) Mini-XLR female
ACX1R-12D-SM	CON	(1) LC SM fiber			DVI-D*	—	4	1	1920 x 1200	(1) TOSLINK (S/PDIF), (1) RCA female, (1) Mini-XLR female
ACX1T-13-SM	CPU	(2) LC SM fiber	Single	Single	DVI-D*	2	—	2	1920x 1200	—
ACX1R-13-SM	CON	(2) LC SM fiber	Single	Single	DVI-D*	—	2	2	1920x 1200	(4) USB 2.0 ports
ACX1T-13HS-SM	CPU	(2) LC SM fiber	Single	Single	DVI-D*	2	—	2	1920x 1200	480 Mbps
ACX1R-13HS-SM	CON	(2) LC SM fiber			DVI-D*	—	4	2	1920x 1200	(4) USB 2.0 ports, 480 Mbps
ACX1T-14AHS-SM	CPU	(1) LC SM fiber	Single	SIngle	DVI-D*	2	—	1	1920 x 1200	RS-232 and Analog Audio — 2.5 Gbps
ACX1R-14AHS-SM	CON	(1) LC SM fiber			DVI-D*	—	4	1	1920 x 1200	RS-232 and Analog Audio — 2.5 Gbps
ACX1T-14A-SM	CPU	(1) LC SM fiber	Single	Single	DVI-D*	2	—	1	1920 x 1200	USB 2.0 (36Mbps) + RS232 and Analog Audio
ACX1R-14A-SM	CON	(1) LC SM fiber			DVI-D	—	4	1	1920 x 1200	USB 2.0 (36Mbps) + RS232 and Analog Audio
ACX1T-22HS-SM	CPU	(2) LC SM fiber	Dual	Single	(2) DVI-D*	2		2		2.5 Gbps
ACX1R-22HS-SM	CON	(2) LC SM fiber	Dual	Single	(2) DVI-D*		4	2		2.5 Gbps
ACX1T-22-SM	CPU	(2) LC SM fiber	Dual	Single	(2) DVI-D*	2	—	2	1920 x 1200	—
ACX1R-22-SM	CON	(2) LC SM fiber	Dual	Single	(2) DVI-D*	—	4	2	1920 x 1200	—

*Physical DVI-I connection, but only supports digital video.
**Supports either digital or analog video signals.

SPECIFICATIONS

DKM COMPACT KVM EXTENDERS DATA SHEET

TWISTED-PAIR CPU (TX) AND CONSOLE (RX) COMPACT EXTENDERS SPECIFICATIONS

TWISTED-PAIR COMPACT EXTENDERS WITH DVI VIDEO/AUDIO										
Product Code	CPU or CON	RJ-45 Interconnects	Single-Head or Dual-Head	Single-Link or Dual-Link	Video/Audio	USB Type B	USB Type A (USB-HID)	Mini USB	Resolution	Additional Feature
ACX1T-11-C	CPU	1	Single	Single	DVI-D*	1	—	1	1920 x 1200	—
ACX1R-11-C	CON	1			DVI-D*	—	2	1	1920 x 1200	—
ACX1T-11V-C	CPU	1	Single	Single	DVI-I**	1	—	1	1920 x 1200	IR remote control
ACX1R-11V-C	CON	1			DVI-D*	—	2	1	1920 x 1200	IR remote control
ACX1T-12A-C	CPU	1	Single	Single	DVI-D*	2	—	1	1920 x 1200	RS-232 and bidirectional analog audio
ACX1R-12A-C	CON	1			DVI-D*	—	4	1	1920 x 1200	RS-232 and bidirectional analog audio
ACX1T-12D-C	CPU	1	Single	Single	DVI-D*	2	—	1	1920 x 1200	Unidirectional digital audio
ACX1R-12D-C	CON	1			DVI-D*	—	4	1	1920 x 1200	Unidirectional digital audio
ACX1T-13-C	CPU	2	Single	Single	DVI-D*	2	—	2	1920 x 1200	—
ACX1R-13-C	CON	2			DVI-D*	—	4	2	1920 x 1200	—
ACX1T-14A-C	CPU	1	Single	Single	DVI-D*	2	—	1	1920 x 1200	RS-232 and analog audio
ACX1R-14A-C	CON	1			DVI-D*	—	4	1	1920 x 1200	RS-232 and analog audio
ACX1T-22-C	CPU	2	Dual	Single	(2) DVI-D*	2	—	2	1920 x 1200	—
ACX1R-22-C	CON	2			(2) DVI-D*	—	4	2	1920 x 1200	—

*Physical DVI-I connection, but only supports digital video.
**Supports either digital or analog video signals.

OPTIONAL ACCESSORIES ORDERING INFORMATION

ACCESSORIES	
Part Number	Description
ACXMODH-RMK	19"/1U rackmount kit for 4 devices (ACS2209A-RMK)
DRMVACU-S	DIN rail mount kit
ACXMODH2-PS	Spare power supply

ORDERING INFORMATION

DISCLAIMER

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ABOUT BLACK BOX

Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations.

Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration and more.

NOTES

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