

PRODUCT SPECIFICATION

DOCUMENT NUMBER CX452	MODEL CX452 Modular Crossover Card Cage for 19" Rack Cabinet Component of the UTPLinks™ System
REVISION NUMBER 100404	

Description

Modular Crossover Interface Card Cage for the UTPLinks™ Video, Data & Power over Twisted Pair Transmission System.

The **CX452** is a 1 RU card cage designed to hold up to five Modular Crossover cards for the UTPLinks system, mounted horizontally. The card cage combined with plug-in Crossover cards comprises a video crossover and power insertion unit for the UTPLinks system and depending upon the type of cards used, can also include RS422 distribution and/or video transceiver capability. Four models of four-channel Crossover cards are available. The cards can be used in any combination, allowing the rack system to be customized to the specific application. (Modular cards are sold separately). The CX452, configured with plug-in cards, is designed to work with TIA/EIA standards-based structured cabling networks. The Crossover card cage provides a 50 pin Telco at the rear of the unit for easy interfacing with either a copper backbone

cable or NITEK video receiver equipment. Separate 24 VAC power inputs are provided for each card at the rear of the unit. The CX452 requires the use of a NITEK PS105 or PS110 Power Supply.

Features

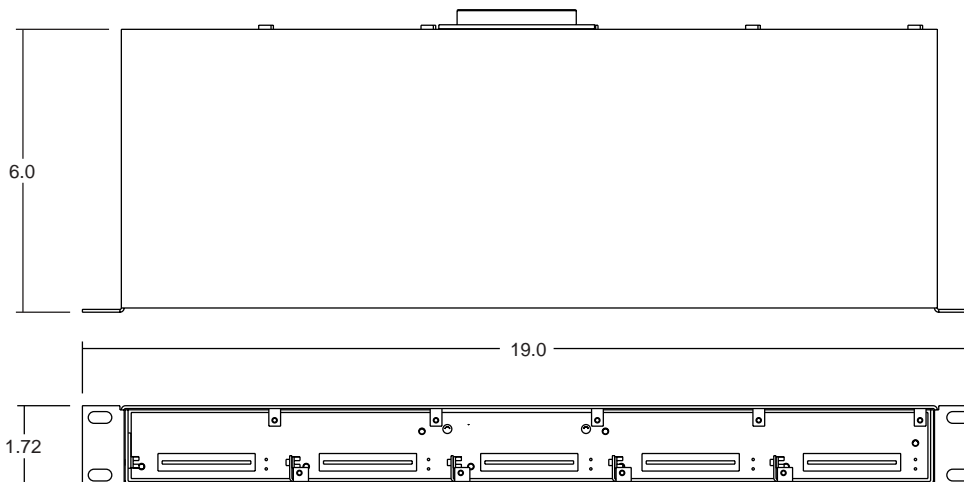
- Flexible Design - any combination of four Crossover cards can be used in any of the 5 slots.
- Expandable - additional cards can be added for future expansion.
- Telco connector for ease of connection to backbone cabling.
- TIA/EIA 568B compatible.



CX452



Shown with plug-in cards installed
(order cards separately)



NITEK®

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TECHNICAL SPECIFICATION

CX452 Card Cage

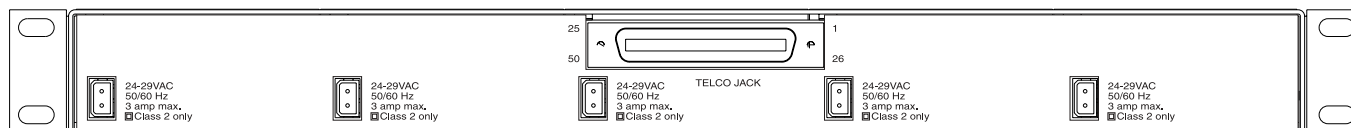
Size	1.72"H x 19.0"W x 6.0"D (with mounting ears)
Power Requirements	Supplied by PS105 or PS110 Power Supply
Twisted Pair Connection (vertical runs)	50 pin Telco connector providing balanced low voltage current loop
UTP Cable	Category 5 or better
Temperature Range	0 degrees C to +55 degrees C
Humidity Range	0 to 98% non-condensing
Enclosure Type	Standard 19" rack 1 RU in height

Ordering Information	
PART	DESCRIPTION
CX452	<i>Modular Card Cage for CXM & CHM Series Cards</i>

Wire and Cable Recommendations

On horizontal runs with fixed cameras (applications up to 8 watts/port) Cat 5 or better; 22 AWG or 24 AWG. For PTZ camera (applications >8 watts/port) Cat 5 or better; 22 AWG is recommended. In the case of backbone cable 24 AWG Cat 3 or better is recommended. Multi-pair cable with an overall shield is acceptable. While signals may be routed through 66 blocks or 110 blocks, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices **MUST BE** removed from the pair. For more specific information regarding wire types, gauges and proper installation techniques, please call 800-528-4343 for sale application assistance.

Available Modular Cards						
Part	Description	Video Inputs	Video Crossover	Power Insertion	RS422 Distribution	Video Transceiver
CXM16	Crossover & Power Insertion	-	YES	YES	-	-
CXM22	Crossover, Power Insertion & RS422	-	YES	YES	YES	-
CHM16	Crossover, Power Insertion & Video	4	-	YES	-	YES
CHM22	Crossover, Power Insertion, RS422 & Video	4	-	YES	YES	YES



BACK PANEL VIEW