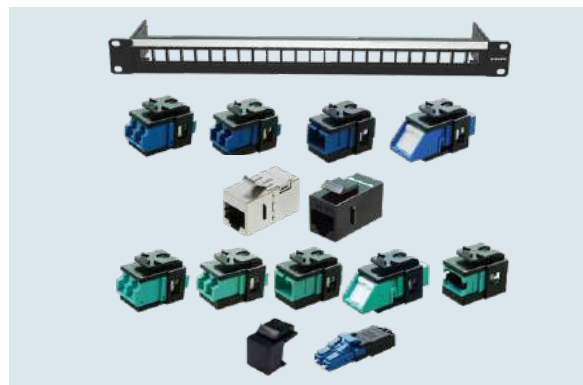# IP Connectivity Products

24-Port Keystone IP Patchbays, 24-Port Keystone IP Panel

Introduction

Canare has launched its own series of IP connectivity solutions. The new series includes patch panels, couplers, and looping plugs. By evaluating existing IP products, we re-engineered items and specialized them for IP broadcasting systems, IP OB-Vans, and other IP-based A/V applications.

Design Concept

Canare's engineer thought compatibility would be a significant aspect of being accepted throughout IP-based broadcast as well as audio-visual applications. The Keystone style is IEC standardized snap-in construction. We recognize keystone's modularity will provide flexible solutions to all system integrators, live production, and studio engineers.

Unique 7 Points

1 Unified Design

Canare IP panels are similar in appearance to our video patchbays.

32MCKA-ST
Keystone Patchbays
32MD-ST

2 Mobile Truck Ready

Tested through heavy-duty vibration for live production applications.

3 Non-Splitted Designation Strip

8.5 × 426mm free designation area to write on.

4 Wide Range of IP Interface

RJ45   SC
DLC   MPO

Choose from 12 types of IP couplers.

5 Cable Tie Bar

Optional cable tie bar will help to optimize wiring support.

6 No Special Tool

For interchanging couplers, just use a flathead screwdriver.

7 Depth Adjustable Front Mount

0mm   25mm
50mm   75mm

In case of space efficiency, patching surface can be recessed 25mm, 50mm or 75mm deeper.

24-Port Keystone IP Patchbays

Model	Panel Size	Description
24KRJ-6AJJ [New]	1RU	24 × RJ45 Unshielded Cat6A Couplers
24KRJS-6AJJ [New]	1RU	24 × RJ45 Shielded Cat6A Couplers

Standard panel color: Black.

24-Port Keystone IP Panel

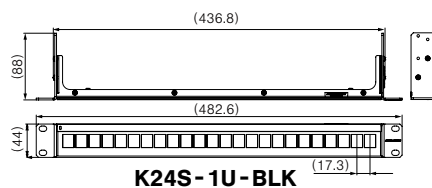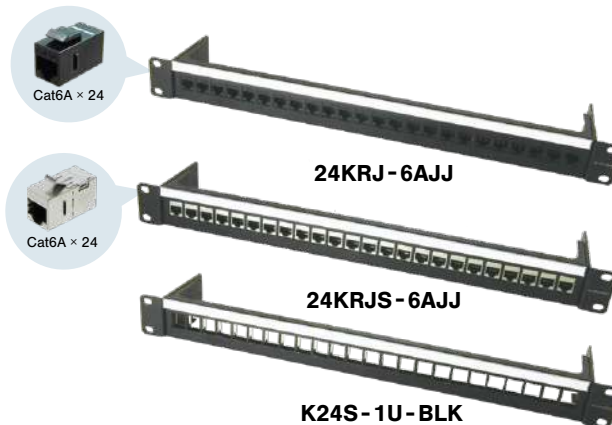| Model	Panel Size	Description
K24S-1U-BLK [New]	1RU	24-Port, Unloaded Panel

Standard panel color: Black.
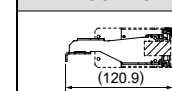
Key Features and Benefits
- Unified design
- Robust construction
- 8.5 × 426mm free designation area
- Can be recessed 25mm.
- Ground stickers attached

Note: 50 or 75mm recessed panel mount by M-MA1U02A (see page 79)

Website

Cat6A × 24
24KRJ-6AJJ

Cat6A × 24
24KRJS-6AJJ

K24S-1U-BLK

(436.8)
(88)
(482.6)
(44)
(17.3)
K24S-1U-BLK

M-KB01 Attachment
(120.9)

M-KB01

SG032-T30

< Panel with Tie Bar >

■ Accessories

Model	Description
M-KB01 [New]	Cable Tie Bar
SG032-T30 [New]	Grounding Cable 3.2m, Terminated with M3 Round Terminal (RT) one end, 1pc of M6 RT attached.
SG002-T36 [New]	Grounding Cable 0.2m, Terminated with M3 RT one end, and M6 RT another end.

- Grounding cables are ideal for shielded Cat6A panels and a rack.

Keystone IP Couplers

Type	Appearance	Model	Description	Standards
RJ45 **Cat 6A**		New **RJUJ‑J6A**	RJ45 Coupler	IEC 60603‑7 ANSI/TIA‑568‑C.2
		New **RJSJ‑J6A**	RJ45 Coupler (shield)	
DLC		New **FKDLJ‑JS**	DLC Coupler (SM)	JIS C 5964‑20 IEC 61754‑20 IEC 60603‑7
		New **FKDLJ‑JM**	DLC Coupler (MM)	
		New **FKDLJ‑JS‑S**	DLC Coupler with Shutters (SM)	
		New **FKDLJ‑JM‑S**	DLC Coupler with Shutters (MM)	

Type	Appearance	Model	Description	Standards
SC		New **FKSJ‑JS**	SC Coupler (SM)	JIS C 5964‑4 IEC 61754‑4 IEC 60603‑7
		New **FKSJ‑JM**	SC Coupler (MM)	
		New **FKSJ‑JS‑S**	SC Coupler with Shutter (SM)	
		New **FKSJ‑JM‑S**	SC Coupler with Shutter (MM)	
MPO		New **FKMPJ‑JM**	MPO Coupler (MM)	JIS C 5964‑7 IEC 61754‑7 IEC 60603‑7
–		New **BP‑K(10)**	Blank Plate (10 pcs.)	IEC 60603‑7

Key Features and Benefits
- Compatible with Keystone Panels.
- A wide array of different connection options.
- Fast and easy to install.
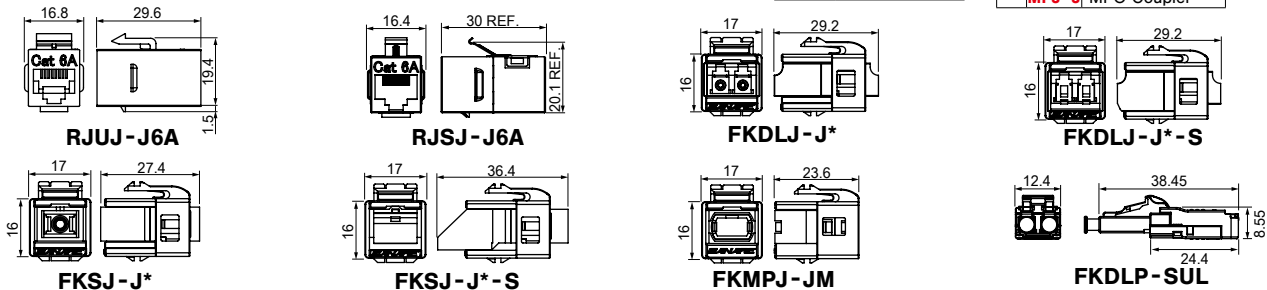- Blank Plate : Protects unused ports from dirt and dust.

Website

LC Duplex Multi‑Fiber Optic Loop‑Back

Appearance	Model	Description	Couplers
	New **FKDLP‑SUL**	DLC Loop‑Back, U‑link (SM)	FKDLJ‑JS FKDLJ‑JS‑S

Key Features and Benefits
- Loop signal for maintenance
- Built‑in dust cap holder

RJUJ‑J6A   RJSJ‑J6A   FKDLJ‑J*   FKDLJ‑J*‑S

FKSJ‑J*   FKSJ‑J*‑S   FKMPJ‑JM   FKDLP‑SUL

<Ordering Information>

| F | K | SJ – J | S | - | S |

Series

RJ	RJ45
F	Optical Fiber Connector

Keystone

K	With Keystone Attachment
Blank	No Keystone Attachment

Shutters

S	Shutters
Blank	No Shutters

Signal

6A	Cat6A
S	Single Mode
M	Multi Mode

Connector Type

RJ	UJ‑J	Unshielded Coupler
	SJ‑J	Shielded Coupler
FK	DLJ‑J	DLC Coupler
	SJ‑J	SC Coupler
	MPJ‑J	MPO Coupler

SFP Optical Transceivers

Fiber Type	Model	Description
Single Mode	**TRP‑011‑DC13** New	1GbE SFP type
Single Mode	**TRP‑101‑DC13** New	10GbE SFP+ type
Single Mode	**TRP‑251‑DI13** Coming soon	25GbE SFP28 type
Multi Mode	**TRP‑010‑DC08** Coming soon	1GbE SFP type
Multi Mode	**TRP‑100‑DC08** Coming soon	10GbE SFP+ type
Multi Mode	**TRP‑250‑DC08** Coming soon	25GbE SFP28 type

Key Features and Benefits
- Reliable and high‑performance generic optical transceiver
- Compliant with MSA : Multi‑source agreement
- Broadcast IP system, data center, and telecommunications
- 1‑year product warranty

TRP‑011‑DC13   TRP‑101‑DC13   TRP‑100‑DC08

TRP‑011‑DC13

■ **Specifications**

Model	TRP‑011‑DC13	TRP‑101‑DC13	TRP‑251‑DI13	TRP‑010‑DC08	TRP‑100‑DC08	TRP‑250‑DC08
Optical Connector	2 × LC	2 × LC	2 × LC	2 × LC	2 × LC	2 × LC
Wavelength	1310nm	1310nm	1310nm	850nm	850nm	850nm
Fiber Type	SM 9/125	SM 9/125	SM 9/125	MM 50/125	MM 50/125	MM 50/125
Reach	10km	10km	10km	550m (OM3)	300m (OM3)	70m (OM3)
Standards	IEEE802.3z 1000BASE‑LX	IEEE802.3ae 10GBASE‑LR/LW	IEEE802.3cc 25GBASE‑LR	IEEE802.3z 1000BASE‑SX	IEEE802.3ae 10GBASE‑SR/SW	IEEE802.by 25GBASE‑SR
Tx Output Power	‑9.5dBm to ‑3.0dBm	‑8.2dBm to +0.5dBm	‑7.0dBm to +2.0dBm	‑9.5dBm to ‑4.0dBm	‑7.1dBm to ‑1.0dBm	‑8.4dBm to +2.4dBm
Rx Sensitivity	< ‑21dBm	< ‑14.4dBm	< ‑12.0dBm	< ‑18.0dBm	< ‑9.9dBm	< ‑10.3dBm
Operating Temperature	0 to 70 deg C	0 to 70 deg C	‑40 to 85 deg C	0 to 70 deg C	0 to 70 deg C	0 to 70 deg C
Dimensions (mm)	14(W) × 11.4(H) × 56.75(D)		14(W) × 12.45(H) × 57.3(D)	14(W) × 13.35(H) × 56.6(D)	13.8(W) × 11.9(H) × 56.5(D)	
Weight	17g	18g	26g	16g	17g	18g
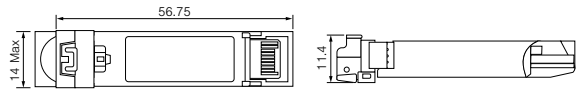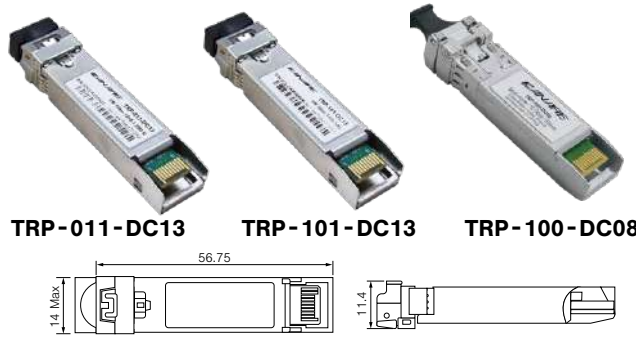
IP Connectivity Products

Technical Trend

Fiber‑Optic Systems

Connectors

Cables

Panels & Patchbays

Multichannel Systems

Cable Assemblies

4