JINPAT

Since 1996

Ethernet Slip Rings (Through-bore Type)

https://www.sliprings.fr

Features

- High-Speed Ethernet: Supports 100M/1G/10G Ethernet with stable data transmission, zero packet loss, and minimal signal degradation
- Power & Data Combination: Includes power transfer with Ethernet data.
- Durable & Reliable: Built to withstand harsh environments and ensure stable performance.
- Compact Design: Space-saving and easy to integrate into various systems.
- Customizable Options: Tailored to meet speciÞc needs, including Ethernet quantity, other signal types, current, voltage and connector types.

Applications:

- Robotics
- Rotating Machinery
- CCTV & Surveillance
- Aerospace & Aviation
- Medical Equipment
- Automated Testing Systems

Selection table

Ethernet Slip Rings(Through-bore Type)

Type	Model	ID (mm)	OD (mm)	Ethernet(Max. 8 channels)		Current Circuits			IP
				Ethernet Support	Ethernet Channels(set)	5A Signal	10A	15A	
LPT025	LPT025-0605-01E(2-3)	φ25.4	φ25.4	100M √ / 1G √	1	6			IP50~IP68
	LPT025-0610-01E(2-3)						6		
	LPT025-0615-01E(2-3)							6	
	LPT025-1205-01E(2-3)					12			
	LPT025-1210-01E(2-3)						12		
	LPT025-1215-01E(2-3)							12	
	LPT025-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT025-0610-02E(2-3)						6		
	LPT025-0615-02E(2-3)							6	
	LPT025-1205-02E(2-3)					12			
	LPT025-1210-02E(2-3)						12		
	LPT025-1215-02E(2-3)							12	
LPT038	LPT038-0605-01E(2-3)	φ38.1	φ99	100M √ / 1G √	1	6			IP50~IP68
	LPT038-0610-01E(2-3)						6		
	LPT038-0615-01E(2-3)							6	
	LPT038-1205-01E(2-3)					12			
	LPT038-1210-01E(2-3)						12		
	LPT038-1215-01E(2-3)							12	
	LPT038-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT038-0610-02E(2-3)						6		
	LPT038-0615-02E(2-3)							6	
	LPT038-1205-02E(2-3)					12			
	LPT038-1210-02E(2-3)						12		
	LPT038-1215-02E(2-3)							12	
LPT050	LPT050-0605-01E(2-3)	φ50	φ119	100M √ / 1G √	1	6			IP50~IP68
	LPT050-0610-01E(2-3)						6		
	LPT050-0615-01E(2-3)							6	
	LPT050-1205-01E(2-3)					12			
	LPT050-1210-01E(2-3)						12		
	LPT050-1215-01E(2-3)							12	
	LPT050-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT050-0610-02E(2-3)						6		
	LPT050-0615-02E(2-3)							6	
	LPT050-1205-02E(2-3)					12			
	LPT050-1210-02E(2-3)						12		
	LPT050-1215-02E(2-3)							12	
LPT060	LPT060-0605-01E(2-3)	φ60	φ135	100M √ / 1G √	1	6			IP50~IP68
	LPT060-0610-01E(2-3)						6		
	LPT060-0615-01E(2-3)							6	
	LPT060-1205-01E(2-3)					12			
	LPT060-1210-01E(2-3)						12		
	LPT060-1215-01E(2-3)							12	
	LPT060-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT060-0610-02E(2-3)						6		
	LPT060-0615-02E(2-3)							6	
	LPT060-1205-02E(2-3)					12			
	LPT060-1210-02E(2-3)						12		
	LPT060-1215-02E(2-3)							12	

Selection table

Ethernet Slip Rings(Through-bore Type)

Type	Model	ID (mm)	OD (mm)	Ethernet(Max. 8 channels)		Current Circuits			IP
				Ethernet Support	Ethernet Channels(set)	5A Signal	10A	15A	
LPT070	LPT070-0605-01E(2-3)	φ70	φ135	100M √ / 1G √	1	6			IP50~IP68
	LPT070-0610-01E(2-3)						6		
	LPT070-0615-01E(2-3)							6	
	LPT070-1205-01E(2-3)					12			
	LPT070-1210-01E(2-3)						12		
	LPT070-1215-01E(2-3)							12	
	LPT070-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT070-0610-02E(2-3)						6		
	LPT070-0615-02E(2-3)							6	
	LPT070-1205-02E(2-3)					12			
	LPT070-1210-02E(2-3)						12		
	LPT070-1215-02E(2-3)							12	
LPT080	LPT080-0605-01E(2-3)	φ80	φ160	100M √ / 1G √	1	6			IP50~IP68
	LPT080-0610-01E(2-3)						6		
	LPT080-0615-01E(2-3)							6	
	LPT080-1205-01E(2-3)					12			
	LPT080-1210-01E(2-3)						12		
	LPT080-1215-01E(2-3)							12	
	LPT080-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT080-0610-02E(2-3)						6		
	LPT080-0615-02E(2-3)							6	
	LPT080-1205-02E(2-3)					12			
	LPT080-1210-02E(2-3)						12		
	LPT080-1215-02E(2-3)							12	
LPT096	LPT096-0605-01E(2-3)	φ96	φ185	100M √ / 1G √	1	6			IP50~IP68
	LPT096-0610-01E(2-3)						6		
	LPT096-0615-01E(2-3)							6	
	LPT096-1205-01E(2-3)					12			
	LPT096-1210-01E(2-3)						12		
	LPT096-1215-01E(2-3)							12	
	LPT096-0605-02E(2-3)			100M √ / 1G √	2	6			
	LPT096-0610-02E(2-3)						6		
	LPT096-0615-02E(2-3)							6	
	LPT096-1205-02E(2-3)					12			
	LPT096-1210-02E(2-3)						12		
	LPT096-1215-02E(2-3)							12	

- Model numbers decode key specs: For example, "LPT096-1215-02E(2-3)" breaks down as LPT (Through-bore type), 096mm inner diameter, 12 circuits at 15A, and 2 Ethernet channels (E4=10G; E2=100M, E3=1G).

Customization options

Note: The following special requirements can be customized,
JINPAT most of the basic accessories are standardized, modular, non-standard customization can also greatly reduce the cost and delivery time.

1、Customized rotor and stator outlet and outlet length

2、Due to structural limitations, can be customized in accordance with the specified length or height or external diameter

3、Yasukawa, Panasonic, Siemens and other servo system signals, power lines, and encoder lines mixed slip ring

4、Mixed high-speed data transmission (including Ethernet, USB, RS232, RS485, Profbus, CanBUS, CANOPEN DeviceNET, CANBUS, CANPUS). CANOPEN, DeviceNET, CC-LINK, ProPNET, EtherCAT and other types of industrial lines).

5、Anti-shock, high temperature and other special environment customization

6、Can be mixed with pneumatic, hydraulic rotary joints integrated pneumatic-electrical-hydraulic slip ring

7、Military grade

8、Waterproof, underwater mode optional, IP65,IP68 optional

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Ethernet Slip Rings(Capsule Type)

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Features

- High-Speed Ethernet: Supports 100M/1G/10G Ethernet with stable data transmission, zero packet loss, and minimal signal degradation
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Applications:

- Robotics
- Rotating Machinery
- CCTV & Surveillance
- Aerospace & Aviation
- Medical Equipment
- Automated Testing Systems

Selection table

Ethernet Slip Rings(Capsule Type)							
Type	Model	OD (mm)	Ethernet		Current		IP
			Ethernet Support	Ethernet Channels(set)	Current Rating (A)	Current Circuits	
LPC-06	LPC-06-01E2	φ22	100Mbps√	1	/	/	IP40~IP68
LPC-12	LPC-12-0602-01E2	φ22	100Mbps√	1	2A	6	IP40~IP68
	LPC-12-0205-01E2		100Mbps√	1	5A	2	
	LPC-12-01E3		1Gbps√	1	/	/	
LPC-18	LPC-18-0602-02E2	φ22	100Mbps√	2	2A	6	IP40~IP68
	LPC-18-0602-01E3		1Gbps√	1	2A	6	
	LPC-18-0305-02E2		100Mbps√	2	5A	3	
	LPC-18-0305-01E3		1Gbps√	1	5A	3	
	LPC-18-0210-01E2		100Mbps√	1	10A	2	
	LPC-18-0210-01E3		1Gbps√	1	10A	2	
	LPC-18-01E4		10Gbps√	1	/	/	
LPC-24	LPC-24-1202-02E2	φ22	100Mbps√	2	2A	12	IP40~IP68
	LPC-24-1202-01E3		1Gbps√	1	2A	12	
	LPC-24-0405-02E2		100Mbps√	2	5A	4	
	LPC-24-0405-01E3		1Gbps√	1	5A	4	
	LPC-24-0310-02E2		100Mbps√	2	10A	3	
	LPC-24-0310-01E3		1Gbps√	1	10A	3	
	LPC-24-0602-01E4		10Gbps√	1	2A	6	
LPC-30	LPC-30-2002-02E2	φ22	100Mbps√	2	2A	20	IP40~IP68
	LPC-30-2002-01E3		1Gbps√	1	2A	20	
	LPC-30-0605-02E2		100Mbps√	2	5A	6	
	LPC-30-0605-01E3		1Gbps√	1	5A	6	
	LPC-30-0410-02E2		100Mbps√	2	10A	4	
	LPC-30-0410-01E3		1Gbps√	1	10A	4	
	LPC-30-1202-01E4		10Gbps√	1	2A	12	
	LPC-30-0405-01E4		10Gbps√	1	5A	4	
	LPC-30-0210-01E4		10Gbps√	1	10A	2	

Selection table

Ethernet Slip Rings(Capsule Type)							
Type	Model	OD (mm)	Ethernet		Current		IP
			Ethernet Support	Ethernet Channels(set)	Current Rating (A)	Current Circuits	
LPC-36	LPC-36-2402-02E2	φ22	100Mbps√	2	2A	24	IP40~IP68
	LPC-36-2402-01E3		1Gbps√	1	2A	24	
	LPC-36-0605-03E2		100Mbps√	3	5A	6	
	LPC-36-0605-02E3		1Gbps√	2	5A	6	
	LPC-36-0510-02E2		100Mbps√	2	10A	5	
	LPC-36-0510-01E3		1Gbps√	1	10A	5	
	LPC-36-02E4		10Gbps√	2	/	/	
LPC-56	LPC-56-3002-04E2	φ25	100Mbps√	4	2A	30	IP40~IP68
	LPC-56-3002-02E3		1Gbps√	2	2A	30	
	LPC-56-1205-04E2		100Mbps√	4	5A	12	
	LPC-56-1205-02E3		1Gbps√	2	5A	12	
	LPC-56-0610-04E2		100Mbps√	4	10A	6	
	LPC-56-0610-02E3		1Gbps√	2	10A	6	
	LPC-56-06E3		10Gbps√	6	/	/	
LPC-76	LPC-76-3002-06E2	φ35.5	100Mbps√	6	2A	30	IP40~IP68
	LPC-76-3002-04E3		1Gbps√	4	2A	20	
	LPC-76-1205-06E2		100Mbps√	6	5A	12	
	LPC-76-1205-04E3		1Gbps√	4	5A	12	
	LPC-76-0610-02E2		100Mbps√	2	10A	6	
	LPC-76-0610-01E3		1Gbps√	1	10A	6	
	LPC-76-0615-04E2		100Mbps√	4	15A	6	
	LPC-76-0615-02E3		1Gbps√	2	15A	6	
	LPC-76-0620-02E2		100Mbps√	2	20A	6	
	LPC-76-0620-01E3		1Gbps√	1	20A	6	
LPM-06	LPM-06-01E2	φ12.5	100Mbps√	1	/	/	IP40~IP68
LPM-12	LPM-12-0402-01E2	φ12.5	100Mbps√	1	2A	4	IP40~IP68
	LPM-12-0105-01E2		100Mbps√	1	5A	1	
	LPM-12-01E3		1Gbps√	1	/	/	

Selection table

Ethernet Slip Rings(Capsule Type)

Type	Model	OD (mm)	Ethernet		Current		IP
			Ethernet Support	Ethernet Channels(set)	Current Rating (A)	Current Circuits	
LPM-18	LPM-18-1201-01E2	φ12.5	100Mbps√	1	1A	12	IP40~IP68
	LPM-18-0601-02E2		100Mbps√	2	1A	6	
	LPM-18-0601-01E3		1Gbps√	1	1A	6	
	LPM-18-0205-02E2		100Mbps√	2	5A	2	
	LPM-18-0205-01E3		1Gbps√	1	5A	2	
LPM-24	LPM-24-0601-03E2	φ15.5	100Mbps√	3	1A	6	IP40~IP68
	LPM-24-0601-02E3		1Gbps√	2	1A	6	
	LPM-24-1201-02E2		100Mbps√	2	1A	12	
	LPM-24-1201-01E3		1Gbps√	1	1A	12	
	LPM-24-0305-01E2		100Mbps√	1	5A	3	
	LPM-24-0305-01E3		1Gbps√	1	5A	3	
LPM-30	LPM-30-0601-04E2	φ16	100Mbps√	4	1A	6	IP40~IP68
	LPM-30-0601-04E3		1Gbps√	4	1A	6	
	LPM-30-1201-03E2		100Mbps√	3	1A	12	
	LPM-30-1201-02E3		1Gbps√	2	1A	12	
	LPM-30-0405-02E2		100Mbps√	2	5A	4	
	LPM-30-0405-01E3		1Gbps√	1	5A	4	
LPMS-06	LPMS-06-01E2	φ7.9	100Mbps√	1	/	/	Customizable
LPMS-08	LPMS-08-0301-01E2	φ5.5	100Mbps√	1	1A	3	Customizable
LPMS-12	LPMS-12-0701-01E2	φ6.5	100Mbps√	1	1A	7	Customizable
	LPMS-12-0201-02E2		100Mbps√	2	1A	2	
LPMS-15	LPMS-15-1001-01E2	φ7.6	100Mbps√	1	1A	10	Customizable
	LPMS-15-0501-02E2		100Mbps√	2	1A	5	
	LPMS-15-0601-01E3		1Gbps√	1	1A	6	
LPMS-18	LPMS-18-0601-02E2	φ7.98	100Mbps√	2	1A	6	Customizable
	LPMS-18-1201-01E2		100Mbps√	1	1A	12	
	LPMS-18-0901-01E3		1Gbps√	1	1A	9	
	LPMS-18-02E3		1Gbps√	2	/	/	

- Model Decoding: Example: "LPC-30-0210-01E4" = LPC (Capsule type), 30 total channels, 2×10A power circuits, and 1×10G Ethernet (E4=10G; E2=100M, E3=1G).

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6、Can be mixed with pneumatic, hydraulic rotary joints integrated pneumatic-electrical-hydraulic slip ring

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