

Ethernet Slip Rings(Capsule Type)



● 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 specific 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(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	

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LPC-36	LPC-36-2402-02E2	φ22	100MbpsV	2	2A	24	IP40~IP68
	LPC-36-2402-01E3		1GbpsV	1	2A	24	
	LPC-36-0605-03E2		100MbpsV	3	5A	6	
	LPC-36-0605-02E3		1GbpsV	2	5A	6	
	LPC-36-0510-02E2		100MbpsV	2	10A	5	
	LPC-36-0510-01E3		1GbpsV	1	10A	5	
	LPC-36-02E4		10GbpsV	2	/	/	
LPC-56	LPC-56-3002-04E2	φ25	100MbpsV	4	2A	30	IP40~IP68
	LPC-56-3002-02E3		1GbpsV	2	2A	30	
	LPC-56-1205-04E2		100MbpsV	4	5A	12	
	LPC-56-1205-02E3		1GbpsV	2	5A	12	
	LPC-56-0610-04E2		100MbpsV	4	10A	6	
	LPC-56-0610-02E3		1GbpsV	2	10A	6	
	LPC-56-06E3		10GbpsV	6	/	/	
LPC-76	LPC-76-3002-06E2	φ35.5	100MbpsV	6	2A	30	IP40~IP68
	LPC-76-3002-04E3		1GbpsV	4	2A	20	
	LPC-76-1205-06E2		100MbpsV	6	5A	12	
	LPC-76-1205-04E3		1GbpsV	4	5A	12	
	LPC-76-0610-02E2		100MbpsV	2	10A	6	
	LPC-76-0610-01E3		1GbpsV	1	10A	6	
	LPC-76-0615-04E2		100MbpsV	4	15A	6	
	LPC-76-0615-02E3		1GbpsV	2	15A	6	
	LPC-76-0620-02E2		100MbpsV	2	20A	6	
	LPC-76-0620-01E3		1GbpsV	1	20A	6	
LPM-06	LPM-06-01E2	φ12.5	100MbpsV	1	/	/	IP40~IP68
LPM-12	LPM-12-0402-01E2	φ12.5	100MbpsV	1	2A	4	IP40~IP68
	LPM-12-0105-01E2		100MbpsV	1	5A	1	
	LPM-12-01E3		1GbpsV	1	/	/	

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LPM-18	LPM-18-1201-01E2	φ12.5	100MbpsV	1	1A	12	IP40~IP68
	LPM-18-0601-02E2		100MbpsV	2	1A	6	
	LPM-18-0601-01E3		1GbpsV	1	1A	6	
	LPM-18-0205-02E2		100MbpsV	2	5A	2	
	LPM-18-0205-01E3		1GbpsV	1	5A	2	
LPM-24	LPM-24-0601-03E2	φ15.5	100MbpsV	3	1A	6	IP40~IP68
	LPM-24-0601-02E3		1GbpsV	2	1A	6	
	LPM-24-1201-02E2		100MbpsV	2	1A	12	
	LPM-24-1201-01E3		1GbpsV	1	1A	12	
	LPM-24-0305-01E2		100MbpsV	1	5A	3	
	LPM-24-0305-01E3		1GbpsV	1	5A	3	
LPM-30	LPM-30-0601-04E2	φ16	100MbpsV	4	1A	6	IP40~IP68
	LPM-30-0601-04E3		1GbpsV	4	1A	6	
	LPM-30-1201-03E2		100MbpsV	3	1A	12	
	LPM-30-1201-02E3		1GbpsV	2	1A	12	
	LPM-30-0405-02E2		100MbpsV	2	5A	4	
	LPM-30-0405-01E3		1GbpsV	1	5A	4	
LPMS-06	LPMS-06-01E2	φ7.9	100MbpsV	1	/	/	Customizable
LPMS-08	LPMS-08-0301-01E2	φ5.5	100MbpsV	1	1A	3	Customizable
LPMS-12	LPMS-12-0701-01E2	φ6.5	100MbpsV	1	1A	7	Customizable
	LPMS-12-0201-02E2		100MbpsV	2	1A	2	
LPMS-15	LPMS-15-1001-01E2	φ7.6	100MbpsV	1	1A	10	Customizable
	LPMS-15-0501-02E2		100MbpsV	2	1A	5	
	LPMS-15-0601-01E3		1GbpsV	1	1A	6	
LPMS-18	LPMS-18-0601-02E2	φ7.98	100MbpsV	2	1A	6	Customizable
	LPMS-18-1201-01E2		100MbpsV	1	1A	12	
	LPMS-18-0901-01E3		1GbpsV	1	1A	9	
	LPMS-18-02E3		1GbpsV	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).

● 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, Profibus, 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