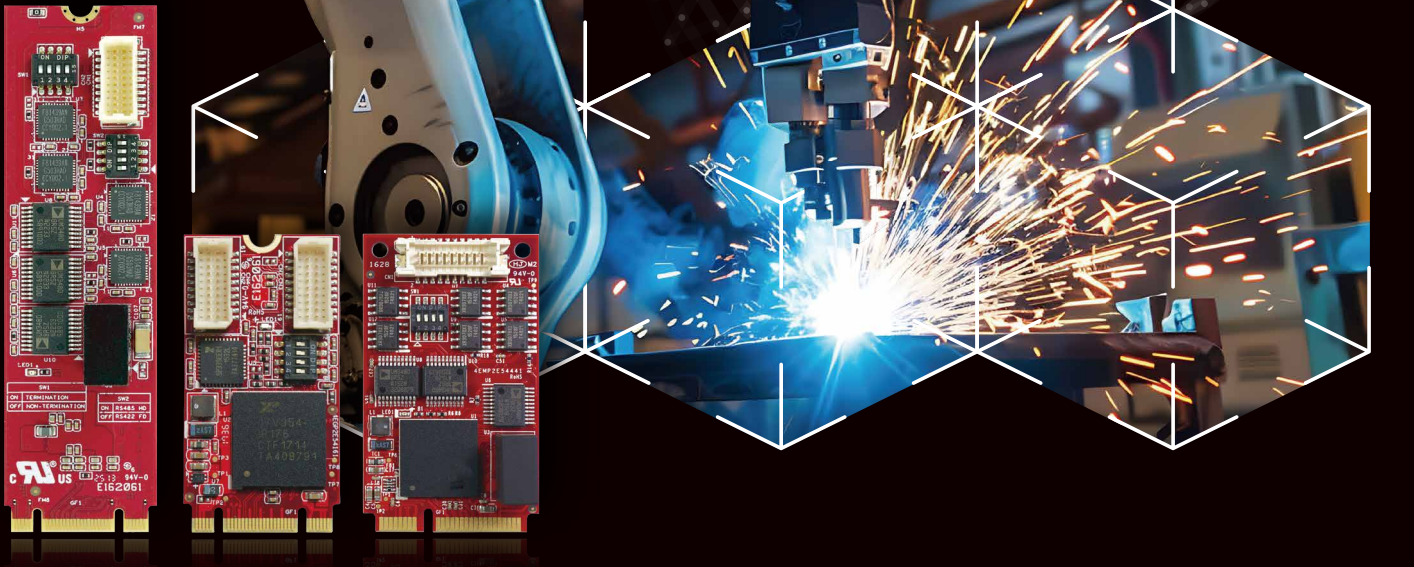


innodisk

CONNECTING  
INTELLIGENCE



CONNECT WITH CONFIDENCE

## ROBUST AND FLEXIBLE SERIAL SERIES

Serial communication remains a vital method for reliable data exchange in industrial and embedded systems. Innodisk's serial expansion cards provide robust connectivity, offering options for 2, 4, or 8 ports per card and supporting RS-232, RS-422, and RS-485 protocols via PCIe or USB interfaces.

Built for industrial-grade reliability, the series ensures high-speed data transmission with strong isolation and wide temperature tolerance (-40°C to 85°C) for stable operation in harsh environments. With compact size, robust durability, and flexible configuration, it delivers dependable performance in applications where consistent communication is crucial.

# CORE ADVANTAGES



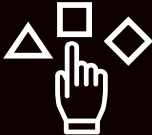
### Superior Isolation Protection

2.5 kV HiPOT isolation delivers robust protection for reliable data transmission in challenging environments



### Software-Configurable Protocols

Easily switch between RS-232/422/485 modes through software without hardware modifications



### Versatile Form Factor Options

Multiple port configurations and form factors to ensure maximum flexibility for diverse application requirements



### Enhanced ESD Protection

Exceptional electrostatic discharge protection with 15 kV air discharge and 8 kV contact discharge capabilities

# SERIAL SERIES PRODUCT MATRIX

Model Name	Form Factor	Number of Output Ports	Communication Interface			Isolation Voltage (2.5 kV)
			RS-232	RS-422 RS-485	RS-232 RS-422 RS-485	
EGP2-X203 / X403	M.2 2242	2 ~ 4	○			
EGP2-X401	M.2 2242	4			○	
EGP2-X4S1	M.2 2280	4		○		○
EMP2-X2S1	mPCIe	2	○			○
EMP2-X203 / X403		2 ~ 4	○			
EMP2-X202 / X402		2 ~ 4		○		
EMP2-X4S1 / X4S2		4		○		○
EMP2-X404		4			○	
EMP2-X801		8			○	

# DRIVING PERFORMANCE IN EVERY FIELD



Humanoid Robot

Railway In-vehicle Computers

POS System

Ticketing Gates

Factory Automation