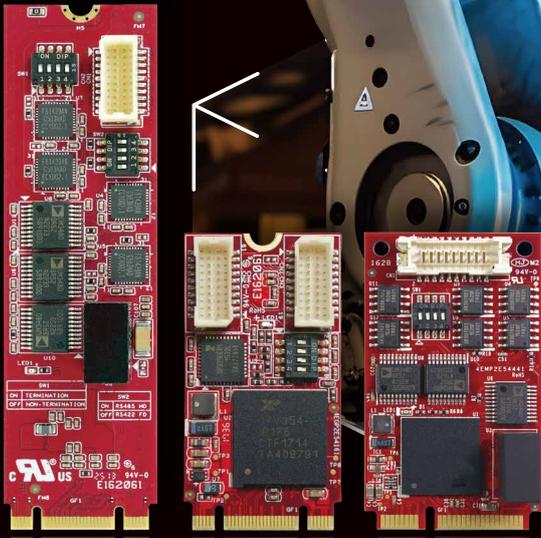


innodisk

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.

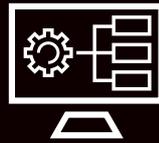
Built for industrial-grade reliability, the series ensures high-speed data transmission with strong isolation and wide temperature tolerance (-40°C to 85°C) for stable operation in harsh environments. With compact size, robust durability, and flexible configuration, it delivers dependable performance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

CORE ADVANTAGES



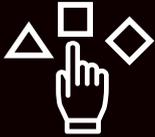
Superior Isolation Protection

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