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## **Industrial Ethernet Application Protocols**

Protocol	Sponsoring Organizations	Target Applications	Transport Layer	Application Layer
EtherNet/IP	ODVA, Control-Net International, Rockwell Automation, Omron,	Any discrete or hybrid manufacturing	TCP and UDP	Control and Information Protocol (CIP)
Foundation Fieldbus-HSE	Fieldbus Foundation	Process control	UDP	Fieldbus Function Blocks
IDA-Modbus	IDA Group, Schneider, Jetter, Sick, Kuka, Phoenix Contact	Discrete manufacturing especially motion control	ТСР	IDA Object model (Modbus/TCP)
PROFInet	Profibus International	Complex Machinery	UDP, TCP plus proprietary	DCOM, PROFI-net Object Model
IDA I				







































## There is Incentive to Change.



## Are you ready to invest in the future?



