Examples of hardware integrations (selection)

Manufacturer	Hardware	Description / connection	Interface	Software
a-drive / MetroniX	ARS 2000 FS	servo positioning controller	EtherCAT	DIAdem, TwinCAT
amtec	PowerCube	robotics module	RS-232	DIAdem
auma	AUMATIC AC 01.2 / ACExC 01.2	actuator control	Profibus DP	DIAdem, LabVIEW
Automation Technology	Typ C4-2040	3D high-speed camera	GigE Vision	LabVIEW
Aventics	Flow Sensor AF2	flow sensor	OPC UA, TCP/IP, IO-Link	Python, DIAdem, LabVIEW
Baumüller	BUC 6	digital drive controller	analog	LabVIEW
Beckhoff	CX8010	embedded PC with EtherCAT slave	EtherCAT	LabVIEW
Beckhoff	CX8190	embedded PC	TCP/IP / ADS	LabVIEW
Beckhoff	EK9160	IoT bus coupler	MQTT	Python, LabVIEW
Beckhoff	EL1809, EL2502, EL2624, EL2809, EL4132, EL5101, EL6224, EL6731, EL6751, EL9100	EtherCAT terminals	analog, digital, relay, CAN, Profibus DP, IO-Link, incremental encoder	TwinCAT
Beckhoff	EL6692	EtherCAT bridge	EtherCAT	LabVIEW
Beckhoff	EL6695	EtherCAT bridge	EtherCAT	LabVIEW
Biehl+Wiedemann		AS-i-Master	RS-232	LabVIEW
Bogen	IKS8	magnetic position measuring head	incremental encoder	LabVIEW
Bosch Rexroth	HNC100-3X	digital axis control	Profinet	DIAdem
Bronkhorst	EL-FLOW	mass flow meter / controller for gases	Profibus DP	DIAdem, LabVIEW
Bronkhorst	EL-FLOW Base	mass flow meter / controller for gases	EtherCAT	LabVIEW
Burster	8661	torque and angle sensor	RS-232 / USB	DIAdem
Dunkermotoren	BG 45 CI / BG 65 CI	brushless DC motor	CANopen	DIAdem
Ehrler Prüftechnik	LaminarMasterFlow	flow measurement section for gases	RS-232	DIAdem
Emerson (Aventics / Bosch Rexroth)	DDL-Busmodul	interface converter	Profibus DP	LabVIEW, TwinCAT
Emerson (Aventics / Bosch Rexroth)	ED02, ED04, ED05, ED07, ED12	electropneumatic valves	analog, RS-232, Profibus, Profinet, SERCOS III, EtherCAT	DIAdem, LabVIEW, TwinCAT
Emerson (Aventics / Bosch Rexroth)	Command transmitter 240	ship command transmitter	CAN	DIAdem
Emerson (Aventics / Bosch Rexroth)	LP04	valve manifold system	Profibus DP	LabVIEW, TwinCAT
emotron	VFX2	frequency converter	Profibus DP	DIAdem, LabVIEW
Endress+Hauser	Cerabar S PMC71	digital pressure transmitter for gases and liquids	Profibus PA	DIAdem, LabVIEW
Endress+Hauser	Deltabar S PMD75	differential pressure transmitter with metal sensor	Profibus PA	DIAdem, LabVIEW
Endress+Hauser	iTEMP TMT84	temperature head transmitter	Profibus PA	DIAdem, LabVIEW
Endress+Hauser	Proline Promag 53W	electromagnetic flow measuring system for liquids	Profibus DP	DIAdem, LabVIEW
Fluke	Model 45	measuring instrument	RS-232	DIAdem

GFC AntriebsSysteme	Milan drive MDA 63.1	servo controller	Profibus (Profidrive)	DIAdem
GMC Gossen Metrawatt	A2000	multifunctional three-phase power meter	Profibus DP	DIAdem, LabVIEW
GMC Gossen Metrawatt	Metrahit X-tra	digital multimeter	RS-232 / USB	DIAdem
Goldammer	MultiChoice light PCI	multifunction card / driver	analog, digital	DIAdem
Goldammer	MultiChoice USB basic	portable USB measurement system / driver	analog, digital	DIAdem
HBK (HBM)	CX27	EtherCAT gateway	EtherCAT	DIAdem
HBK (HBM)	MGCplus	data acquisition system / driver	analog, digital	DIAdem
HBK (HBM)	P3IC	pressure transducer	strain gauge	LabVIEW
HBK (HBM)	PMX	measuring amplifier	EtherCAT	DIAdem
HBK (HBM)	QuantumX MX840	data acquisition system	EtherCAT	DIAdem
Hilscher	CIFX-50 / 70 / 90 RE	interface card for real-time Ethernet protocols / ActiveX, .NET assembly, driver	Profinet, EtherCAT, SERCOS III	DIAdem, LabVIEW
ifm	AL1320	IO-Link master	TCP/IP	DIAdem
Keithley	Model 2260B	programmable power supply	RS-232	LabVIEW
Keyence	BL-1351HA	barcode scanner	RS-232	DIAdem
Klaric	Klari-Fuse 2	measuring module	CAN	DIAdem
kunbus (comsoft)	cRIO-PROFIBUS DP	bus module / FPGA	Profibus DP	LabVIEW
Kvaser	Leaf Light	USB CAN interface	CAN	DIAdem, LabVIEW
Kvaser	PCIEcan HS/HS	CAN controller / driver	CAN	DIAdem
Landis+Gyr	E350 Serie 2	electricity meter	infrared	LabVIEW
LEM	UNILAP ISO x	insulation tester	RS-232	DIAdem
Lorenz Messtechnik		torque sensor	RS-485	LabVIEW
Magtrol	DSP6001	controller for power brakes	GPIB	DIAdem
Manner Sensortelemetrie	MAW_84TE_16_PCM16	telemetry measurement system for rotating parts	USB	LabVIEW
ME-Meßsysteme	GSV-4BT	digital measuring amplifiers	Bluetooth	DIAdem
Molex (BradCommunications, Woodhead)	PCI-DPIO, PCU-DPIO, PCIE-DPIO	PC interface card / OPC	Profibus DP	DIAdem
NI (National Instruments)	cFP-2100, cFP-1804, cFP-1808	embedded controller with expansion backplanes / OPC	TCP/IP	DIAdem
NI (National Instruments)	cFP-AI-100, cFP-AI-100, cFP-AO-210, cFP-DI-301, cFP-DO-401	input and output modules for Compact FieldPoint	analog, digital	LabVIEW
NI (National Instruments)	compact FieldPoint	Programmable Automation Controller (PAC) / OPC	TCP/IP	DIAdem
NI (National Instruments)	cRIO-9022	Programmable Automation Controller (PAC)	EtherCAT	DIAdem
NI (National Instruments)	cRIO-9024	Programmable Automation Controller (PAC)	EtherCAT	DIAdem
NI (National Instruments)	cRIO-9045	programmable automation controller (PAC) / driver	TCP/IP	LabVIEW
NI (National Instruments)	cRIO-9064	Programmable Automation Controller (PAC)	EtherCAT	DIAdem, LabVIEW
NI (National Instruments)	cRIO-9067	Programmable Automation Controller (PAC)	EtherCAT	DIAdem, LabVIEW
NI (National Instruments)	cRIO-9073	Programmable Automation Controller (PAC)	RS-232 / TCI/IP	DIAdem

NI (National Instruments)	IC-3173	industrial controller / driver	TCP/IP	LabVIEW
NI (National Instruments)	NI-9144	EtherCAT slave chassis	EtherCAT	DIAdem, LabVIEW, TwinCAT
NI (National Instruments)	NI-9145	EtherCAT slave chassis	EtherCAT	DIAdem, LabVIEW
NI (National Instruments)	NI-9203, NI-9215, NI-9217, NI-9227, NI-9263, NI-9264, NI-9265, NI-9403, NI-9425, NI-9475, NI-9476, NI-9853, NI-9871, NI-9893	C Series interface modules	analog, digital, relay, CAN, RS-485, Profibus DP	LabVIEW
PEAK-System	PCAN-USB	interface / ActiveX, driver	CAN	DIAdem, LabVIEW
PEPPERL+FUCHS	KT-MB-GTB-2PS	PROFIBUS segment coupler DP / PA	Profibus DP/PA	DIAdem, LabVIEW
Phoenix Contact	IBS PCI SC/I-T	Interbus interface module	OPC	DIAdem
Schunk	PRH050	rotary unit	CAN	DIAdem, LabVIEW
VECTOR	VN1630	network interfaces for CAN FD, LIN, K-Line and J1708	USB	DIAdem
Vector	VN8912 with CAN/LIN plug-in module VN8950	network interface / driver	CAN / LIN	DIAdem
Vögtlin	red-y smart series	mass flow meters and controllers	Profibus DP	LabVIEW, TwinCAT
Vötsch	VC³ 4100	climatic chamber	TCP/IP	DIAdem
WAGO	CC100	compact controller (PLC)	TCP/IP, BACnet	CoDeSys
WAGO	PFC200	controller (PLC)	TCP/IP, BACnet	CoDeSys
WIKA	D10	pressure sensor for precision measurements	RS-232	DIAdem
WIKA	P30	pressure sensor for precision measurements	CAN	DIAdem, LabVIEW
Yokogawa	WT310E	digital power meter	TCP/IP	DIAdem, LabVIEW