Dezentrale I/O-Module

Hersteller / Vertrieb	Sensor/Aktor-Integrationsmodule	Remote-I/O-Module	Safety-Module	EEx-Module	max. Anzahl der Analogeingänge pro Modul	max. Anzahl der digitalen I/O pro Modul	max. Anzahl der Analogausgänge pro Modul	max. Anzahl der in einer I/O-Station koppelbaren Module	allgemeine Features: integrierte Vorverarbeitung	Steuerungsfunktionen	Messdatenerfassung	Überwachung von Grenzwerten	Temperaturüberwachung	Weg- und Winkelmessung	Watchdog	Zähler/Zeitgeber	Multithreading	programmierbarer Eingangsfilter	Einschaltzustand programmierbar	Kanäle galvanisch getrennt	echtzeitfähig	unterstützte Bussysteme/ Schnittstellen: RS-232/RS-422/RS-485	IEEE-488 (GPIB)	USB	IO-Link	Feldbus	Standard Ethernet TCP/IP	Industrial Ethernet	Wireless	sonstige	Anschlussart: Schraubanschluss	Zugfederanschluss	Steckverbinderanschluss	auf die DIN-Schiene aufrastbar	Schutzart (IP): 20	54	65	67	68	69K	Sonstige
Acromag / Meilhaus Electronic, www.meilhaus.de		●			12	12	12		●	●	●	●	●		●				●	●						●	●	●			●		●	●						
Adlink Technology, www.adlinktech.com		●			96	96	32				●									●										●										●
Advantech, www.advantech.de		●		●	16	48	8	256		●	●	●	●			●			●	●	●	●	●		●	●	●	●	●	●			●	●	●					
Advantech / AMC Analytik & Messtechnik, www.amc-systeme.de	●	●			8	24	4	128		●	●	●	●			●			●		●	●				●	●	●		●	●		●	●		●				●
Advantech / BMC Dr. Schetter, www.bmc.de		●			8	32	4	256	●	●	●	●	●		●	●			●	●	●		●		●			●	●	●		●			●	●				
Advantech / gbm, www.gbm.de		●			8	16	4	256		●	●	●	●		●	●				●	●		●		●			●	●		●			●	●				
Advantech / Messcomp Datentechnik, www.messcomp.com		●			16	32	2			●	●		●			●				●	●		●			●	●			●								
B&R Industrie-Elektronik, www.br-automation.com	●	●	●	●	4	16	4	255	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●		●	●	●	●	●	●			●		
Baumer, www.baumer.com	●				2	8	2	124							●											●				●	●	●	●	●	●	●	●			
Baumüller, www.baumueller.de		●	●		4	8	4	64/255		●	●		●	●							●					●					●		●	●					
Beckhoff Automation, www.beckhoff.de		●	●	●	8	16/64	8		●	●	●	●	●	●	●	●		●	●	●	●	●		●	●	●	●	●	●	●			●		●	●		●	●	
Bedo Elektronik, www.bedogmbh.de		●			16	16	2				●			●	●	●					●						●					●			●					
Belden / Hopf Vertriebsges., www.hopf-online.de	●	●	●		4	4	4	4	●	●	●	●	●	●	●	●	●	●	●	●	●						●		●		●	●	●	●	●	●			
Belden-Lumberg / Mütron Müller, www.muetron.de	●	●			4	16	2	30			●			●	●	●				●	●					●		●			●	●	●	●			●		●	
Belden-Lumberg / Sauter, Werner, www.werner-sauter.de	●					8																				●					●		●				●	●	●	
Berghof Automationstechnik, www.berghof-automation.de		●			16	32	4	10		●	●			●		●				●	●					●		●			●	●	●	●	●				
Bernstein / MC Technologies, www.mc-technologies.net	●	●	●						●	●	●	●	●	●		●				●		●		●		●			●	●	●	●	●			●	●		●
Bihl+Wiedemann, www.bihl-wiedemann.de	●	●	●		4	16	4	62	●	●		●	●		●	●		●	●	●	●					●	●	●			●		●	●	●	●	●	●		●
BMC Messsysteme, www.bmcm-direkt.de					16	32	2	256		●	●	●	●	●		●				●							●		●		●	●	●	●					
Bürkert, www.buerkert.de	●	●		●	64	64	64	64		●	●	●	●							●	●	●				●	●	●			●	●			●	●			
bustec computer, www.bustec.com		●			64	92	64	4			●	●	●	●		●		●		●	●						●			●	●		●						
Caemax Technologie, www.caemax.de	●	●			16	32	16	60			●	●	●	●	●	●		●	●	●	●	●				●	●		●	●		●			●				
Caetec, www.caetec.de					16	32		32	●	●	●	●	●			●		●	●	●	●			●			●	●			●			●				●	
Caetec / Mestec, www.mestec.de		●			16	32	8				●	●	●			●				●	●						●		●	●		●				●			●
Contec, www.contec.com		●			32	64	4	127	●		●			●		●			●	●				●			●				●		●	●					
Contec / aigotec, www.aigotec.de		●			32	64	4	127	●		●			●		●			●	●				●			●				●		●	●					
Crystal Instruments / disynet, www.sensoren.de	●				16	8	2	1024	●	●	●	●		●				●			●		●					●						●					
Data Track Process Instruments / CompuMess Elektronik, www.compumess.de	●	●			1	5	1	bel.	●	●	●	●	●	●	●				●	●	●	●							●	●			●						●
Data Translation, www.datatranslation.de		●			48	16		256			●	●	●							●				●			●			●		●							
Decision-Group / Decision-Computer Merz, www.decision-computer.de		●			16	32	2	15		●	●				●				●	●				●						●									
Deditec, www.deditec.de					32	128	8	10		●	●		●	●	●	●		●	●	●	●	●		●		●	●					●	●						
Delphin Technology, www.delphin.de		●			1000	1000	100	48	●	●	●	●	●	●	●	●	●	●	●	●	●			●		●	●				●			●					
Digalog Industrie-Mikroelektronik, www.digalog.de	●	●			16	16	8	32	●	●	●	●	●	●		●		●	●	●	●	●				●			●	●			●	●	●	●	●	●		●
Dold, www.dold-regler.de	●	●			10	16	3	32	●	●	●	●	●		●		●	●	●		●					●						●	●	●	●				
DSM Computer, www.dsm-computer.de									●	●					●					●	●	●				●					●		●	●	●				
Ebru, www.ebru.de						32																				●					●	●	●	●					
Eckelmann, www.eckelmann.de					8	16/16	8	40	●			●		●	●	●		●		●	●					●	●	●		●	●	●	●	●	●				
E-Lab Computers, www.e-lab.de	●	●							●	●	●	●	●	●	●	●					●	●		●			●		●				●						
elrest Automationssysteme, www.elrest.de	●	●			6	64	6	16	●	●	●	●	●	●	●	●	●		●		●	●		●		●	●			●		●	●	●	●				
epis Automation, www.epis-automation.com	●	●			8	16	4	8	●	●	●	●	●	●	●	●		●	●	●	●	●				●					●	●	●	●					
Escha Bauelemente / Sauter, Werner, www.werner-sauter.de	●					8																				●					●		●			●	●	●	

Dezentrale I/O-Module

Hersteller / Vertrieb	Sensor/Aktor-Integrationsmodule	Remote-I/O-Module	Safety-Module	EEx-Module	max. Anzahl der Analogeingänge pro Modul	max. Anzahl der digitalen I/O pro Modul	max. Anzahl der Analogausgänge pro Modul	max. Anzahl der in einer I/O-Station koppelbaren Module	integrierte Vorverarbeitung	Steuerungsfunktionen	Messdatenerfassung	Überwachung von Grenzwerten	Temperaturüberwachung	Weg- und Winkelmessung	Watchdog	Zähler/Zeitgeber	Multithreading	programmierbarer Eingangsfilter	Einschaltzustand programmierbar	Kanäle galvanisch getrennt	echtzeitfähig	RS-232/RS-422/RS-485	IEEE-488 (GPIB)	USB	IO-Link	Feldbus	Standard Ethernet TCP/IP	Industrial Ethernet	Wireless	sonstige	Schraubanschluss	Zugfederanschluss	Steckverbinderanschluss	auf die DIN-Schiene aufrastbar	20	54	65	67	68	69K	Sonstige
Ferrocontrol Steuerungssysteme, www.ferrocontrol.de					8	16/16	8	40	●		●		●	●	●	●		●		●	●				●		●		●	●	●	●	●	●							
Gantner Instruments / AMC Analytik & Messtechnik, www.amc-systeme.de	●	●			16	32	4	256	●	●	●	●	●	●	●			●	●		●	●				●	●	●		●	●		●	●		●				
Gantner Instruments / Peekel Instruments, www.peekel.de		●			8	16	4	128	●	●	●	●	●	●		●		●	●	●	●	●		●		●	●	●			●		●	●	●					
GE Intelligent Platforms, www.ge-ip.com		●	●	●	16	32	8		●	●		●		●	●	●			●	●	●	●				●	●	●		●	●	●	●	●	●	●				
Geitmann, www.geitmann.de	●				8	16	4	512			●							●		●						●	●			●		●	●	●						
Goldammer, www.goldammer.de					16-32	8-32	4-16	16	●	●	●	●		●		●		●		●	●			●				●												
HAL Controls / Wachendorff Prozesstechnik, www.wachendorff-prozesstechnik.de		●			8	24	8	50	●	●		●	●			●		●	●	●						●				●			●							
Hima Paul Hildebrandt, www.hima.de		●	●		8	32	4								●						●						●		●	●		●	●	●					
HWH-Systemtechnik, www.hwh-systemtechnik.de												●	●		●											●				●	●	●	●	●						
Hydac Electronic, www.hydac.com	●				16	20	8		●	●	●	●				●			●		●				●				●			●				●			
Hygrosens Instruments, www.hygrosens.com	●	●			4	64	2	1	●	●	●	●	●		●	●			●	●				●			●				●		●	●	●					
ICPDAS / Spectra Computersysteme, www.spectra.de	●	●			16	16	8	255		●	●	●			●				●	●		●		●		●	●				●		●	●	●					
ICS Industrial Communication, www.ics-gmbh.com	●	●			1	8			●		●	●		●	●	●					●					●				●	●	●	●	●						●
ICS Schneider Messtechnik, www.ics-schneider.de		●			12	12	12		●		●	●	●	●		●		●		●	●	●	●	●		●		●	●	●			●	●		●	●			●
IEI Technology / Comp-Mall, www.comp-mall.de		●						4		●												●		●				●		●			●							●
IEP Ing.-Büro f. Echtzeitprogrammierung, www.iep.de	●	●			16	48	8	64	●	●	●	●	●	●	●	●	●	●		●	●	●				●	●		●		●	●	●	●	●	●	●	●		
ifm electronic, www.ifm.com		●	●		4	8	4	2x62	●	●	●	●	●		●			●		●	●				●	●	●	●	●	●	●	●	●	●	●	●		●	
IIE Ing.-Büro f. Industrie-Elektronik, www.iie.de	●	●	●	●	a.A.	a.A.	a.A.	a.A.		●	●	●	●	●	●	●	●				●		●	●	●		●	●	●	●	●	●	●	●	●	●	●			●
imc Messsysteme / Additive, www.additive-net.de		●			16	16	8	>100	●	●	●	●	●	●	●	●		●		●	●					●			●	●	●	●			●	●				
Imtron Messtechnik, www.imtrongmbh.de	●	●			4	8	4	2	●		●	●	●	●		●		●		●	●					●	●			●		●	●	●						
Intronico, www.intronico.de					3	16	2			●	●	●	●			●			●	●							●		●	●	●			●						●
Ipetronik, www.ipetronik.com	●	●	●		16	4	8	32	●		●	●	●	●	●	●		●		●	●			●		●	●		●	●		●				●	●			
Ixxat Automation, www.ixxat.de					4	5	4				●															●						●								●
Keba, www.keba.com	●	●			16	16	16	12				●	●	●	●	●		●		●	●	●				●		●		●		●	●	●						
Kolter Electronic, www.kolter.de		●	●		16	64	1	255	●	●	●	●	●		●	●			●	●	●	●	●	●		●	●			●	●		●	●	●					●
Krah & Grote Messtechnik, www.krah-grote.com	●				4	8	4	256	●	●	●	●	●													●				●			●	●	●	●				
Kuhnke Automation, www.kuhnke.com		●			8	32	8	20		●						●		●			●						●				●			●	●						
Lenze, www.lenze.com					4	8	4	64					●			●						●				●		●		●		●		●	●						
Logic, www.logic-gmbh.com		●			12		12			●		●							●		●											●				●				
LTT Labortechnik Tasler, www.tasler.de					32	16		20			●							●	●	●				●			●						●		●					
Lucom, www.lucom.de		●			4	4	4	16	●			●			●		●				●						●			●	●		●	●	●					
mechOnics, www.mechonics.de										●	●			●										●			●													●
Meilhaus Electronic, www.meilhaus.de		●			192	384	48		●	●	●	●	●			●	●			●	●			●			●		●				●	●						
Mesco Engineering, www.mesco-systems.com	●	●	●	●						●	●	●	●	●						●	●	●			●	●	●	●												
Messcomp Datentechnik, www.messcomp.com		●			8	24	2			●	●		●			●				●		●		●			●	●		●	●			●						
Mitsubishi Electric, www.mitsubishi-automation.de		●			4	8	4	64						●	●	●		●			●					●		●				●		●	●						
MKC Michels & Kleberhoff Computer, www.mkc-gmbh.de		●			4	4	2	8	●		●	●	●		●		●	●	●	●						●				●			●	●						
MKT Systemtechnik, www.mkt-sys.de					4	8	4	127		●						●				●	●	●				●							●	●	●					
Molex, www.molex.com	●					16												●	●	●						●	●	●					●			●				
MRS Electronic, www.mrs-electronic.de	●	●			14	16			●	●	●	●	●	●	●	●		●	●			●								●			●		●		●	●		
MTL Instruments, www.mtl.de		●		●	8	16	8	64	●		●	●	●		●	●		●	●	●		●				●	●			●			●	●	●					
Murrelektronik, www.murrelektronik.com	●	●	●		4	32	4	32	●		●	●	●			●		●		●		●			●	●		●			●	●	●	●			●			

Dezentrale I/O-Module

Hersteller / Vertrieb	Sensor/Aktor-Integrationsmodule	Remote-I/O-Module	Safety-Module	EEx-Module	max. Anzahl der Analogeingänge pro Modul	max. Anzahl der digitalen I/O pro Modul	max. Anzahl der Analogausgänge pro Modul	max. Anzahl der in einer I/O-Station koppelbaren Module	allgemeine Features: integrierte Vorverarbeitung	Steuerungsfunktionen	Messdatenerfassung	Überwachung von Grenzwerten	Temperaturüberwachung	Weg- und Winkelmessung	Watchdog	Zähler/Zeitgeber	Multithreading	programmierbarer Eingangsfilter	Einschaltzustand programmierbar	Kanäle galvanisch getrennt	echtzeitfähig	unterstützte Bussysteme/Schnittstellen: RS-232/RS-422/RS-485	IEEE-488 (GPIB)	USB	IO-Link	Feldbus	Standard Ethernet TCP/IP	Industrial Ethernet	Wireless	sonstige	Anschlussart: Schraubanschluss	Zugfederanschluss	Steckverbinderanschluss	auf die DIN-Schiene aufrastbar	Schutzart (IP): 20	54	65	67	68	69K	Sonstige
National Instruments, www.ni.com	●	●			32	32	16	14	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●						●
National Instruments / AMC Analytik & Messtechnik, www.amc-systeme.de	●	●			16	32	8	256	●	●	●	●	●	●	●		●		●		●	●		●		●	●	●	●	●	●	●	●		●	●			
Nophut, Werner, Dipl.-Ing., www.dsam.info	●				8	32	8		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●			●				●				●				
Oktogon G. Balzarek, www.oktogon.com	●	●			16	8	4	32			●								●		●									●	●			●	●				
Omron / Pohl Electronic, www.pohl-electronic.de	●	●	●		128	512	128	64	●	●	●	●	●	●		●		●	●	●	●					●			●		●	●	●	●			●		
Opto 22 / Hy-Line Systems, www.hy-line.de/systems	●	●			512	512	512	512	●	●	●	●	●	●	●	●	●	●	●	●	●						●	●	●	●				●	●				
Pepperl+Fuchs, www.pepperl-fuchs.com		●		●	4	8	4	20/40			●		●		●	●		●		●	●					●		●		●	●	●	●		●			
Phoenix Contact, www.phoenixcontact.de	●	●	●	●	8	32	8	63		●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●	●	●	●	●		●	●	
Phoenix Contact / Mütron Müller, www.muetron.de	●	●			8	32	8	512	●		●	●	●		●	●					●					●		●			●	●	●	●		●	●		
Phoenix Contact / RS Components, www.rsonline.de	●	●	●	●	4	16	4	32		●	●	●	●			●				●	●					●		●				●			●				
Pilz, www.pilz.com		●	●			16		64	●			●	●							●	●		●			●	●	●	●	●	●	●	●	●	●		●		
PMA Prozess- und Maschinen-Automation, www.pma-online.de		●	●		4	8	8	64	●		●						●	●	●	●	●					●	●				●	●			●				
RM Michaelides, www.rmcan.com		●			8	20 (8/12)																				●					●	●			●				
Rockwell Automation, www.rockwellautomation.de	●		●	●	8	16	4	64	●	●	●	●	●	●	●	●	●		●	●	●					●	●	●	●		●	●	●	●	●			●	
RSW-Technik, www.rsw-technik.de		●			2	24	1	bel.	●	●	●	●	●						●		●			●		●	●	●		●			●	●				
RTP / Primation Systemtechnik, www.primation.de		●	●		544	544	272	16	●	●	●	●	●		●	●	●	●	●	●	●						●			●	●				●				
Sealevel / IIE Ing.-Büro f. Industrie-Elektronik, www.iie.de	●	●	●	●	a.A.	a.A.	a.A.	a.A.		●	●	●	●	●	●	●	●					●		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●
Schleicher Electronic, www.schleicher-electronic.com	●	●			4	16	4	10	●	●	●	●	●	●	●	●	●	●		●	●					●		●			●		●	●				
Seneca / Wachendorff Prozesstechnik, www.wachendorff-prozesstechnik.de		●			8	24	3	16			●	●					●		●		●								●	●				●				
SHF Communication, www.shf.de					8	32	8	65000												●	●					●		●			●	●	●	●					
Siemens, www.siemens.de/automation	●					8												●	●						●					●					●				
Siemens / RS Components, www.rsonline.de	●	●			4	32	32	128	●	●	●	●	●			●			●							●		●		●	●	●	●	●	●				
Siemens / straschu Elektro-Vertrieb, www.straschu.de	●	●	●	●	8	32	8	64	●	●	●	●	●	●	●	●		●	●	●	●				●	●	●	●				●	●	●	●				●	
Sigmatek, www.sigmatek-automation.com	●	●	●		8	16	8	63	●		●	●	●	●	●	●		●		●	●	●				●	●	●		●	●	●	●		●				
Software & Automatisierungssysteme Köprülü, www.sasys.de		●			16	16	4	127	●	●	●	●	●	●	●	●	●	●	●	●	●		●				●				●	●	●	●	●	●	●	●	
taskit, www.taskit.de	●	●			8	12	4	16		●	●				●	●	●	●	●	●	●		●				●		●		●			●					
TRsystems, www.trsystems.de	●				20	256	20	20	●	●	●	●	●	●	●	●	●			●	●	●					●	●	●				●	●	●				
Turck, www.turck.com	●	●	●	●	8	32	4	74	●	●	●	●	●	●	●	●		●	●	●	●					●	●	●	●		●	●	●	●	●		●		
Unitro-Fleischmann-Störmeldesysteme, www.unitro.de		●			8	32	8	64		●	●	●			●	●				●	●		●		●		●		●		●	●		●	●				
Vipa, www.vipa.de	●		●		8	8	4	64	●	●	●	●	●			●	●	●	●	●		●				●	●	●		●		●		●	●				
Wago Kontakttechnik, www.wago.com	●	●			4	16	4	64	●	●	●	●	●				●				●			●		●	●	●			●	●	●	●			●		
Wago / RS Components, www.rsonline.de	●	●			4	16	4	32			●	●	●			●					●										●	●		●	●				
Weidmüller, www.weidmueller.de	●				4	4-16	2-4				●	●															●	●	●	●		●					●			
Weidmüller / Hopf Vertriebsges., www.hopf-online.de	●	●	●		4	4	4	4	●	●	●	●	●	●	●	●	●	●	●	●	●						●		●		●			●	●	●	●		
Welotec, www.welotec.com		●			2	8				●	●	●	●		●							●					●	●	●	●				●	●	●	●	●	●	
Wieland / Hopf Vertriebsges., www.hopf-online.de	●	●	●		4	4	4	4	●	●	●	●	●	●	●	●	●	●	●	●	●						●		●		●			●	●				
Wiesemann & Theis, www.wut.de	●	●			8	24+24	2		●	●	●	●	●			●			●	●							●			●	●	●		●	●				
ZeroPlus / mem Messtechnik & Elektronik, www.mem-gmbh.de					2	256	2				●	●									●	●	●	●	●	●	●		●	●			●						
Ziehl industrie-elektronik, www.ziehl.de		●			8				●	●	●	●									●					●				●				●					