

## EMC Test Report

Applicant : ICP DAS CO., LTD.  
Product Type : ICP DAS IO System  
Trade Name : ICP DAS  
Model Number : VP-5201-CE7 System  
Applicable Standard : EN 55032: 2012/AC:2013  
EN 55024: 2010  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-4-2:2009  
EN 61000-4-3:2006+A1:2008+A2:2010  
EN 61000-4-4:2012  
EN 61000-4-5:2014  
EN 61000-4-6:2014  
EN 61000-4-8:2010  
EN 61000-4-11:2004  
Receive Date : Nov. 07, 2017  
Test Period : Nov. 09 ~ 15, 2017  
Issue Date : Dec. 21, 2017

### Issue by

A Test Lab Techno Corp.  
No. 140-1, Changan Street, Bade District,  
Taoyuan City 33465, Taiwan R.O.C.  
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

**Note:** This report shall not be reproduced except in full, without the written approval of A Test Lab Techno Corp. This document may be altered or revised by A Test Lab Techno Corp. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, or any government agencies. The test results in the report only apply to the tested sample.

## Verification of Compliance

Issued Date: Dec. 21, 2017

Applicant : ICP DAS CO., LTD.  
Product Type : ICP DAS IO System  
Trade Name : ICP DAS  
Model Number : VP-5201-CE7 System  
EUT Rated Voltage : AC 100-250V, 50-60Hz, 2A  
Test Voltage : 100 Vac / 50Hz, 230 Vac / 50 Hz  
Applicable Standard : EN 55032: 2012/AC:2013  
EN 55024: 2010  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-4-2:2009  
EN 61000-4-3:2006+A1:2008+A2:2010  
EN 61000-4-4:2012  
EN 61000-4-5:2014  
EN 61000-4-6:2014  
EN 61000-4-8:2010  
EN 61000-4-11:2004

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.

No. 140-1, Changan Street, Bade District,  
Taoyuan City 33465, Taiwan (R.O.C)

Tel : +886-3-2710188 / Fax : +886-3-2710190

Taiwan Accreditation Foundation accreditation number: 1330

<http://www.atl-lab.com.tw/e-index.htm>



The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the Electromagnetic Compatibility Directive 2014/30/EU and technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By

Misty Wu

(Manager)

(Misty Wu)

Reviewed By

Terry Liao

(Testing Engineer)

(Terry Liao)

# 1 General Information

## 1.1. Summary of Test Result

Emission			
Standard	Item	Result	Remark
EN 55032: 2012/AC:2013	Conducted Emission	PASS	Meet Class A limit
	Radiated Emission	PASS	Meet Class A limit
EN 61000-3-2: 2014	Harmonic Current Emissions	PASS	Meet Class A limit
EN 61000-3-3: 2013	Voltage Fluctuations & Flicker	PASS	Meets the requirements

Immunity			
Standard	Item	Result	Remark
EN 61000-4-2: 2009	ESD	PASS	Meets the requirements of Criterion B
EN 61000-4-3: 2006 +A1:2008 +A2:2010	RS	PASS	Meets the requirements of Criterion A
EN 61000-4-4: 2012	EFT	PASS	Meets the requirements of Criterion B
EN 61000-4-5: 2014	Surge	PASS	Meets the requirements
EN 61000-4-6: 2014	CS	PASS	Meets the requirements of Criterion A
EN 61000-4-8:2010	PMF	PASS	Meets the requirements of Criterion A
EN 61000-4-11: 2004	Voltage Dips & Voltage Variations	PASS	Meets the requirements of Voltage Dips: 1) >95% reduction Criterion B 2) 30% reduction Criterion C Voltage Interruptions: >95% reduction Criterion C

The test results of this report relate only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.



### 1.4. Test Site Environment

Test Item	Required (IEC 60068-1)		Actual
Conducted Emission	Temperature (°C)	15-35	26.0
	Humidity (%RH)	25-75	60.0
	Barometric pressure (mbar)	860-1060	950
Radiated Emission	Temperature (°C)	15-35	26.0
	Humidity (%RH)	25-75	60.0
	Barometric pressure (mbar)	860-1060	950
Harmonic Current Emissions	Temperature (°C)	--	26.0
	Humidity (%RH)	--	60.0
	Barometric pressure (mbar)	--	950
Voltage Fluctuations & Flicker	Temperature (°C)	--	26.0
	Humidity (%RH)	--	60.0
	Barometric pressure (mbar)	--	950
ESD	Temperature (°C)	15-35	26.0
	Humidity (%RH)	30-60	60.0
	Barometric pressure (mbar)	860-1060	950
RS	Temperature (°C)	--	26.0
	Humidity (%RH)	--	60.0
	Barometric pressure (mbar)	--	950
EFT	Temperature (°C)	15-35	26.0
	Humidity (%RH)	30-60	60.0
	Barometric pressure (mbar)	860-1060	950
Surge	Temperature (°C)	15-35	26.0
	Humidity (%RH)	10-75	60.0
	Barometric pressure (mbar)	860-1060	950
CS	Temperature (°C)	--	26.0
	Humidity (%RH)	--	60.0
	Barometric pressure (mbar)	--	950
PMF	Temperature (°C)	15-35	26.0
	Humidity (%RH)	25-75	60.0
	Barometric pressure (mbar)	860-1060	950
Voltage Dips & Voltage Variations	Temperature (°C)	15-35	26.0
	Humidity (%RH)	25-75	60.0
	Barometric pressure (mbar)	860-1060	950



**Feature of Equipment under Test :**

The model listed below is series model to VP-5201-CE7 System

Main	Diversity	Mode 1
M-7017mC-16-G	16-channel Current Input Module with Data Logger using the DCON and Modbus Protocols (Gray Cover)	V
M-7018-16-G	16-channel Analog Input Module using the DCON and Modbus Protocols (Gray Cover)	V
M-7054-G	16-channel Isolated Universal Digital Input/Output Module using the DCON and Modbus Protocols (Gray Cover)	V
M-7054D-G	M-7054 with LED Display (Gray Cover)	
M-7054P-G	M-7054 with High Load Current Output (Gray Cover)	V
M-7054PD-G	M-7054P with LED Display (Gray Cover)	
M-7024UD-G	4-channel Analog Output,4-channel Digital Input and 4-channel Digital Output Module using the DCON and Modbus Protocols (Gray Cover)	V
M-7024U-G	M-7024U with LED Display (Gray Cover)	
I-7017C	8-channel Current Input Module using the DCON Protocol (Blue Cover)	
M-7017C-G	8-channel Current Input Module using the DCON and Modbus Protocol (Gray Cover)	V
I-7017FC	8-channel Current Input Module using the DCON Protocol (fast sampling version) (Blue Cover)	
I-7017FC-G	8-channel Current Input Module using the DCON Protocol (fast sampling version) (Gray Cover)	
I-7045	16-channel Isolated Digital Output Module with DCON Protocol (Blue Cover)	
I-7045-G	16-channel Isolated Digital Output Module with DCON Protocol (Gray Cover)	V
I-7045D	I-7045 with LED Display (Blue Cover)	
I-7045D-G	I-7045-G with LED Display (Gray Cover)	
M-7045-G	16-channel Isolated Digital Output Module with DCON and Modbus Protocols (Gray Cover)	
M-7045D-G	M-7045-G with LED Display (Gray Cover)	
I-7022	2-channel Analog Output Module using the DCON Protocol (Channel-to-Channel Isolation) (Blue Cover)	V
I-7022-G	2-channel Analog Output Module using the DCON Protocol (Channel-to-Channel Isolation) (Gray Cover)	
M-7022-G	2-channel Analog Output Module using the DCON and Modbus Protocols (Channel-to-Channel Isolation) (Gray Cover)	
M-7022A-G	2-channel Analog Output Module using the DCON and Modbus Protocols (Channel-to-Channel Isolation) (Gray Cover)	
I-7060	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON Protocol (Blue Cover)	
I-7060-G	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON Protocol (Gray Cover)	



Main	Diversity	Mode 1
I-7060D	I-7060 with LED Display (Blue Cover)	V
I-7060D-G	I-7060-G with LED Display (Gray Cover)	
M-7060-G	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON and Modbus Protocols (Gray Cover)	
M-7060D-G	M-7060-G with LED Display (Gray Cover)	
M-7060P-G	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON and Modbus Protocols (Gray Cover)	
M-7060PD-G	M-7060P-G with LED Display (Gray Cover)	
I-7080	2-channel Counter/Frequency Input Module with DCON Protocol (Blue Cover)	V
I-7080-G	2-channel Counter/Frequency Input Module with DCON Protocol (Gray Cover)	
I-7080D	I-7080 with 7-segment LED Display (Blue Cover)	
I-7080B-G	2-channel Counter/Frequency Input Module with DCON Protocol with Virtual Battery Backup (Gray Cover)	
I-7080BD-G	I-7080B with 7-segment LED Display (Gray Cover)	
M-7080-G	2-channel Counter/Frequency Input Module with DCON and Modbus Protocol (Gray Cover)	
M-7080D-G	M-7080 with 7-segment LED Display (Gray Cover)	
M-7080B-G	2-channel Counter/Frequency Input Module with DCON and Modbus Protocol with Virtual Battery Backup (Gray Cover)	
M-7080BD-G	M-7080B with 7-segment LED Display (Gray Cover)	
I-7015	6-channel RTD Input Module using the DCON Protocol (Blue Cover)	V
I-7015-G	6-channel RTD Input Module using the DCON Protocol (Gray Cover)	
I-7015P-G	6-channel RTD Input Module with 3-wire Lead Resistance Elimination using the DCON Protocol (Gray Cover)	
M-7015-G	6-channel RTD Input Module using the DCON and Modbus Protocols (Gray Cover)	
M-7015P-G	6-channel RTD Input Module with 3-wire Lead Resistance Elimination using the DCON and Modbus Protocols (Gray Cover)	
I-7510	Isolated RS-485 Repeater	
I-7510A	Isolated RS-422/485 Repeater/Converter	
I-7510AR	Three Way Isolated RS-422/485 Repeater/Converter	V
I-7513	Three Way Isolated RS-485 Active Star Wiring Hub	V



Main	Diversity	Mode 1
I-7513-G	Three Way Isolated RS-485 Active Star Wiring Hub (Gray Cover)	
I-7513-OEM0131	Three Way Isolated RS-485 Active Star Wiring Hub	
I-7551	Isolated RS-232 to RS-232 Converter	V
I-7551-G	Isolated RS-232 to RS-232 Converter (Gray Cover)	
DL-10	RS-485 Remote Temperature and Humidity	V
I-7188E1D	Ethernet to RS-232 converter	V
I-7188E1	I-7188E1D without LED display	
I-7188EXD	Embedded controller with 7-segment display, developing tool kit, 512K bytes flash, 512K bytes SRAM and MiniOS7.	
I-7188EX	I-7188EXD without display	V
I-7188EX-512	I-7188EXD without display	
I-7188EX-MTCP	I-7188EX with default Modbus/TCP firmware	
I-7188EXD-MTCP	I-7188EXD with default Modbus/TCP firmware	
I-7188EXD-MTCP-G	I-7188EXD with default Modbus/TCP firmware (Gray Cover)	
I-7188EX-OEM01	I-7188EXD without display	
X203	2-channel A/D ( 0~20mA), add 2-channel D/I, 6-channel D/O	V
ET-2254	Ethernet I/O Module with 2-port Ethernet Switch, 16-ch Universal DIO (DO Max. Load Current: 100 mA)	
ET-2254P	Ethernet I/O Module with 2-port Ethernet Switch, 16-ch Universal DIO (DO Max. Load Current: 350 mA)	V
ET-7060	Ethernet I/O Module with 6-ch Relay Output and 6-ch DI	V
PET-7060	PoE Ethernet I/O Module with 6-ch Relay Output and 6-ch DI	
WISE-7160	6-channel Power Relay Output and 6-channel Isolation Digital Input PoE Module	
ET-7067	Ethernet I/O Module with 8-ch Relay	V
PET-7067	PoE Ethernet I/O Module with 8-ch Relay	
WISE-7167	8-Channel Power Relay Output PoE Module	
PET-7042-OEM1	PoE Ethernet I/O Module with 16-ch DO	
ET-7042	Ethernet I/O Module with 16-ch DO	V
PET-7042	PoE Ethernet I/O Module with 16-ch DO	
WISE-7142	16-channel Isolated Digital Output PoE Module	
ET-7053	Ethernet I/O Module with 16-ch DI	V
PET-7053	PoE Ethernet I/O Module with 16-ch DI	



Main	Diversity	Mode 1
WISE-7153	16-channel Dry Contact Digital Input PoE Module	
PDS-732	Programmable Device Server with 2 RS-232 ports and 1 RS-485 port Includes One CA-0910 Cable	
PDSM-732	PDS-732 CR with Metal Case	
PDS-732D	Programmable Device Server with 2 RS-232 ports, 1 RS-485 port and an LED Display Includes One CA-0910 Cable	
PDSM-732D	PDS-732D CR with Metal Case	
PPDS-732-MTCP	Programmable Device Server with PoE, Modbus Gateway, 2 RS-232 port and 1 RS-485 port Includes One CA-0910 Cable	
PPDSM-732-MTCP	PPDS-732-MTCP CR with Metal Case	
PPDS-732D-MTCP	Programmable Device Server with PoE, Modbus Gateway, 2 RS-232 port, 1 RS-485 port and an LED Display Includes One CA-0910 Cable	
PPDSM-732D-MTCP	PPDS-732D-MTCP CR with Metal Case	
uPAC-7186EX-FD	Palm-size $\mu$ PAC(80MHz CPU,10/100 Ethernet,512K SRAM,512K Flash and 64MB Flash Disk,RS-232*1,RS-485*1	
uPAC-7186EXD-FD	Palm-size $\mu$ PAC(80MHz CPU,10/100 Ethernet,512K SRAM,512K Flash , and 64MB Flash Disk RS-232*1,RS-485*1,with 7-segment display	V
uPAC-7186EX-MTCP	$\mu$ PAC-7186EX with default Modbus/TCP firmware	
uPAC-7186EXD-MTCP	$\mu$ PAC-7186EXD with default Modbus/TCP firmware	
MDC-714	Modbus Data Concentrator with 1x Ethernet and 1 x RS-232, 4 x RS-485	V
MDC-711	Modbus Data Concentrator with 1x Ethernet and 1 x RS-232, 1 x RS-485	
X511	3-Port RS-485	V
I-7188XB-512	Embedded controller with two communication ports, developing tool kit, 512K Flash, 512K SRAM, MinIOS7	V
I-7188XBD-512	Embedded Controller with two communication port, 5 digits seven segment display, developing tool kit, 512K Flash, 512K SRAM, MinIOS7	
X505	3-Port RS-232 ( 5-Pin )	V
TPD-432F	4.3" Touch HMI device with RS-485 x 2, USB, RTC	
TPD-433F	4.3" Touch HMI device with RS-485, RS-232 (3 pin), USB, RTC, Ethernet	
TPD-432F-H	4.3" Touch HMI device with RS-485, RS-232 (3 pin), USB, RTC	
TPD-433F-H	4.3" Touch HMI device with RS-485, RS-232 (3 pin), USB, RTC, Ethernet	V
VPD-132-H	3.5" Touch HMI device with RS-232/RS-485 x 2, USB, RTC, Rubber Keypad and support XV-board	





Main	Diversity	Mode 1
VPD-132N-H	3.5" Touch HMI device with RS-232/RS-485 x 2, USB, RTC and support XV-board	
VPD-133-H	3.5" Touch HMI device with Ethernet, RS-232/RS-485 x 2, USB, RTC, Rubber Keypad and support XV-board	
VPD-133N-H	3.5" Touch HMI device with Ethernet, RS-232/RS-485 x 2, USB, RTC and support XV-board	V
VPD-130-H	3.5" Touch HMI device with RS-232/RS-485 x 1, USB, RTC, Rubber Keypad and support XV-board	
VPD-130N-H	3.5" Touch HMI device with RS-232/RS-485 x 1, USB, RTC and support XV-board	
tM-R5	5-channel Relay Output Module	V
tM-AD5	5-channel Isolation Analog Input Module with High Voltage Protection	V
tM-AD5C	5-channel Isolation Current Input Module	V
tM-AD8	8-channel Isolation Analog Input Module with High Voltage Protection	V
tM-AD8C	8-channel Isolation Current Input Module	V
tM-C8	8-channel Isolation Digital Output Module	V
tM-P8	8-channel Isolation Digital Output Module	V
tM-TH8	8-channel Isolation Thermistor Input Module with High Voltage Protection	V
tM-P4A4	4-channel Isolation Digital Input and 4-channel Source Type Isolated Digital Output Module	V
tM-P3POR3	3-ch Isolation Digital Input and 3-ch PhotoMOS Relay Output Module	V
tM-DA1P1R1	1-channel Isolated Analog Output, 1-channel Isolated Digital Input and 1-channel Relay Output Module	V
tM-AD4P2C2	4-Channel Isolated Analog Input and 2-channel Isolated Digital Input and 2-channel Isolated Digital Output Module	V
tM-SG4	RS-485 Pull-high/Pull-low and Termination Resistor Module	V
tM-P3R3	3-channel Isolation Digital Input and 3-channel Relay Output Module	V
tM-P4C4	4-channel Isolation Digital Input and 4-channel Isolation Digital Output Module	V
TM-P4C4-OEM1	4-channel Isolation Digital Input and 4-channel Isolation Digital Output Module	
tDS-712	Tiny Device Server with PoE and 1 RS-232 Port	V
tDSM-712	Tiny Device Server with PoE and 1 RS-232 Port (Metal case)	
tGW-712	Tiny Modbus/TCP to RTU/ASCII Gateway with PoE and 1 RS-232 Port	



Main	Diversity	Mode 1
tDS-712i	Tiny Device Server with PoE and 1 Isolated RS-232 Port	
tGW-712i	Tiny Modbus/TCP to RTU/ASCII Gateway with PoE and 1 RS-232 Port	
tGW-715	Tiny Modbus/TCP to RTU/ASCII Gateway with PoE and 1 RS-422/485 Port	
tDS-715	Tiny Device Server with PoE and 1 RS-422/485 Port	V
tSH-715	Tiny Serial Port Sharer with PoE and 1 RS-422/485 Port	
tDS-715i	Tiny Device Server with PoE and 1 Isolated RS-422/485 Port	
tGW-715i	Tiny Device Server with PoE and 1 Isolated RS-422/485 Port	
tSH-715i	Tiny Serial Port Sharer with PoE and 1 Isolated RS-422/485 Port	
GW-7472	EtherNet/IP to Modbus RTU gateway with PoE and 1 RS-422/485	
GW-7473	Modbus Slave to EtherNet/IP Scanner gateway with PoE and 1 RS-422/485	
tNS-200IN-24V	PoE Injector for 1 PoE port (uses unused pairs), 24 V input	V
tNS-200IN	PoE Injector for 1 PoE port (uses unused pairs), 48 V input	
VPD-173N	7" Touch HMI device with two serial ports, RTC, Ethernet, PoE (16 MB Flash)	
VPD-173N-64	7" Touch HMI device with two serial ports, RTC, Ethernet, PoE (64 MB Flash)	V
VPD-173X	7" Touch HMI device with two serial ports, RTC, Ethernet, PoE, support XV-board (16 MB Flash)	
VPD-173X-64	7" Touch HMI device with two serial ports, RTC, Ethernet, PoE, support XV-board (64 MB Flash)	
UA-5231	IIoT Communication Server	
UA-5231M	IIoT Communication Server (Metal)	V
UA-5231M-3GWA	IIoT Communication Server (Metal), Support 3G Wireless Communication	
VP-5201-CE7	Standard 12.1" ViewPAC with Cortex-A8 CPU and CE7 OS	V
SV-5201	12.1" SmartView	
VP-5208-CE7	12.1" Win-GRAF ViewPAC	
IWS-5201-CE7	InduSoft based PAC with 12.1" LCD (WinCE7 OS)	
IWS-5201-CE7-1500	InduSoft based PAC with 12.1" LCD (WinCE7 OS)	



Main	Diversity	Mode 1
PMD-5201	Power Meter Concentrator with 12.1" LCD	
PMD-5201-EN	Industrial IoT Power Meter Concentrator with 12.1" Display (English)	
PMD-5201-SC	Industrial IoT Power Meter Concentrator with 12.1" Display ( Simplified Chinese )	
PMD-5201-TC	Industrial IoT Power Meter Concentrator with 12.1" Display ( Traditional Chinese )	
VP-6201-CE7	Standard 15" ViewPAC with Cortex-A8 CPU and CE7 OS	V
SV-6201	15" SmartView	
VP-6208-CE7	15" Win-GRAF ViewPAC	
IWS-6201-CE7	InduSoft based PAC with 15" LCD (WinCE7 OS)	
IWS-6201-CE7-1500	InduSoft based PAC with 15" LCD (WinCE7 OS)	
PMD-6201	Power Meter Concentrator with 15" LCD	
PMD-6201-EN	Industrial IoT Power Meter Concentrator with 15" Display (English)	
PMD-6201-SC	Industrial IoT Power Meter Concentrator with 15" Display ( Simplified Chinese )	
PMD-6201-TC	Industrial IoT Power Meter Concentrator with 15"Display ( Traditional Chinese )	
PM-3133-100	Modbus RTU, 3-phase power meter; includes 60A CT (Inside diameter 10mm; wire lead 1.8m) x 3	
PM-3133-160	Modbus RTU, 3-phase power meter; includes 100A CT (Inside diameter 16mm; wire lead 1.8m) x 3	
PM-3133-240	Modbus RTU, 3-phase power meter; includes 200A CT (Inside diameter 24mm; wire lead 1.8m) x 3	
PM-3133-100P	Modbus RTU, 3-phase power meter; includes 60A CT (Inside diameter 10mm; wire lead 4m) x 3	
PM-3133-160P	Modbus RTU, 3-phase power meter; includes 100A CT (Inside diameter 16mm; wire lead 4m) x 3	
PM-3133-240P	Modbus RTU, 3-phase power meter; includes 200A CT (Inside diameter 24mm; wire lead 4m) x 3	
PM-3133-360P	Modbus RTU, 3-phase power meter; includes 300A CT (Inside diameter 36mm; wire lead 4m) x 3	
PM-3133-400P	Modbus RTU, 3-phase power meter; includes 400A CT (Inside diameter 36mm; wire lead 4m) x 3	V
PM-3133-100-MTCP	Modbus TCP, 3-phase power meter; includes 60A CT (Inside diameter 10mm; wire lead 1.8m) x 3	
PM-3133-160-MTCP	Modbus TCP, 3-phase power meter; includes 100A CT (Inside diameter 16mm; wire lead 1.8m) x 3	
PM-3133-240-MTCP	Modbus TCP, 3-phase power meter; includes 200A CT (Inside diameter 24mm; wire lead 1.8m) x 3	



Main	Diversity	Mode 1
PM-3133-360P-MTCP	Modbus TCP, 3-phase power meter; includes 300A CT (Inside diameter 36mm; wire lead 4m) x 3	
PM-3133-400P-MTCP	Modbus TCP, 3-phase power meter; includes 400A CT (Inside diameter 36mm; wire lead 4m) x 3	
PM-3133-100-CPS	CANopen, 3-phase power meter; includes 60A CT (Inside diameter 10mm; wire lead 1.8m) x 3	
PM-3133-160-CPS	CANopen, 3-phase power meter; includes 100A CT (Inside diameter 16mm; wire lead 1.8m) x 3	
PM-3133-240-CPS	CANopen, 3-phase power meter; includes 200A CT (Inside diameter 24mm; wire lead 1.8m) x 3	
PM-3133-360P-CPS	CANopen, 3-phase power meter; includes 300A CT (Inside diameter 36mm; wire lead 4m) x 3	
PM-3133-400P-CPS	CANopen, 3-phase power meter; includes 400A CT (Inside diameter 36mm; wire lead 4m) x 3	
SG-3011	Isolated Thermocouple Input Module	
SG-3011H	Isolated Thermocouple Input Module with High-speed Response Time	V
SG-3013	Isolated RTD Input Module	V
SG-3071	Isolated DC Voltage Input/Output Module	V
SG-3081	Isolated DC Current Input/Output Module	V
SG-3383	3-channel DC Current Signal Splitter (Gray Cover)	V
SG-3016	Isolated Strain Gauge Input Module	V
I-2533CS	CAN to Single Mode Fiber Bridge; 1 single mode, SC connector	
I-2533CS-60	CAN to Single Mode Fiber Bridge; 1 (60 km) single mode, SC connector	V
DN-8P8C/S	8-channel Digital Output and 8-channel Counter Input Board, including DB-8820 Daughterboard and a CA-2520D Cable.	V
DN-8P8C-CA	8-channel Digital Output and 8-channel Counter Input Board, including two CA-090910-A Cable and two CA-3813 Connector Casing.	
DN-8P8C	8-channel Digital Output and 8-channel Counter Input Board, including two CA-090910-A Cable and two CA-3813 Connector Casing	
CAN-2088C	CANopen module of 8-channel PWM and 8-channel High Speed Counter	V
CAN-2088D	DeviceNet module of 8-channel PWM and 8-channel High Speed Counter	
CAN-2015C	CANopen slave module of 8-channel RTD inputs	V
NS-208A	Unmanaged 8-port Industrial 10/100 Mbps Ethernet Switch	V
NSM-208A	Unmanaged 8-port Industrial 10/100 Mbps Ethernet Switch with Metal Casing	



Main	Diversity	Mode 1
NSM-208PSE-24V	Unmanaged 8-port 10/100 Mbps PoE (PSE) Ethernet Switch with Metal Casing; +24 VDC Input	V
NSM-216	Unmanaged 16-port Industrial 10/100 Base-TX Ethernet Switch with metal casing	V
NS-209FT	Multi-mode, ST Connector, 8-port 10/100 Mbps with 1 fiber port Switch	
NS-209FC	Multi-mode, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch	V
NS-209FCS	Single-mode 30 km, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch	
NSM-209FT	Multi-mode, ST Connector, 8-port 10/100 Mbps with 1 fiber port Switch; metal case	
NSM-209FC	Multi-mode, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch; metal case	
NSM-209FCS	Single-mode 30 km, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch; metal case	
ECAT-2511-A	EtherCAT Single-Strand Media Converter, TX 1310 nm, RX 1550 nm, SC	V
ECAT-2511-B	EtherCAT Single-Strand Media Converter, TX 1550 nm, RX 1310 nm, SC	V
ECAT-2512	1 IN; 2-OUT EtherCAT Junction Slave Module	V
ECAT-2513	1 IN; 3-OUT EtherCAT Junction Slave Module	V
ECAT-2057-8P8N	EtherCAT Slave I/O Module with Isolated 16-ch DO	V
GRP-540M-4GE	4G Gateway	V
GRP-540M-4GC	4G Gateway	
XP-8331-NOS	Standard XP-8000-CE6 with x86 CPU, Windows CE6 OS, and 3 I/O Slots	V
XP-8131-CE6	Standard XP-8000-CE6 with x86 CPU, Windows CE6 OS, and 1 I/O Slot	
XP-8331-CE6	Standard XP-8000-CE6 with x86 CPU, Windows CE6 OS, and 3 I/O Slots	
XP-8731-CE6	Standard XP-8000-CE6 with x86 CPU, Windows CE6 OS, and 7 I/O Slots	
I-87004W	4-Port Digital Temperature Sensor Module with Daisy-Chain Wiring	V
I-87004W-G	4-Port Digital Temperature Sensor Module with Daisy-Chain Wiring	
I-8014W	16-bit, 250 K sampling rate, 16/8-channel analog input module	
I-8014W-G	16-bit, 250 K sampling rate, 16/8-channel analog input module(Gray Cover)	
I-8014CW	16-bit, 250 K sampling rate, 8-channel analog input module	
I-8014CW-G	16-bit, 250 K sampling rate, 8-channel analog input module(Gray Cover)	V



Main	Diversity	Mode 1
I-8055	16-channel Non-isolated digital I/O Module (Blue Cover)	
I-8055-G	16-channel Non-isolated digital I/O Module (Gray Cover)	V
I-8055W-G	16-channel Non-isolated digital I/O Module (Gray Cover)	
LX-8131	Standard PAC with x86 dual-core CPU and 1 I/O Slot	
LX-8331	Standard PAC with x86 dual-core CPU and 3 I/O Slots	V
LX-8731	Standard PAC with x86 dual-core CPU and 7 I/O Slots	



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	Keyboard	DELL	SK-8115	MY0DJ3257161908H0118	Power by PC
(2)	Mouse	DELL	MS111-P	CN-093H7Y715813810B WQ	Power by PC
(3)	Monitor	DELL	U2711	CN-OWOV21-74261-139- OCOL	Non-Shielded, 1.8m
(4)	PC	ICP DAS	BTO-AS-GI945GC	N/A	Non-Shielded, 1.8m
※ PC Keypart information					
Main		Diversity			Mode 1
(4)-1	PCIe-S118	PCI Express, Serial Communication card with 8 RS-232 ports Includes one CA-PC62M D-Sub connector.			V
(4)-2	PCIe-S118/D2	PCI Express, Serial Communication card with 8 RS-232 ports Includes one CA-9-6210 cable.			
(4)-3	PEX-P8R8i	PCI Express x1, 8-channel Isolated Digital Input, 8-channel Relay Output Includes one CA-4002 D-Sub connector.			
(4)-4	PEX-P16R16i	PCI Express x1, 16-channel Isolated Digital Input, 16-channel Relay Output Includes one CA-4037W cable and two CA-4002 D-Sub connectors.			V
(4)-5	PEX-P16POR16i	PCI Express x1, 16-channel isolated digital input and 16-channel PhotoMOS Relay output Includes one CA-4037W cable and two CA-4002 D-Sub connectors.			V
(4)-6	PEX-P8POR8i	PCI Express x1, 8-channel isolated digital input and 8-channel PhotoMOS Relay output Includes one CA-4002 D-Sub connector.			
(4)-7	PCI-1202HU	32-ch, 12-bit, 44 kS/s High Gain Multi-function DAQ Board (1 K word FIFO) Includes one CA-4002 D-Sub connector.			
(4)-8	PCI-1202LU	32-ch, 12-bit, 110 kS/s Low Gain Multi-function DAQ Board (1 K word FIFO) Includes one CA-4002 D-Sub connector.			
(4)-9	PCI-1202HU/8K	32-ch, 12-bit, 44 kS/s High Gain Multi-function DAQ Board (8 K word FIFO) Includes one CA-4002 D-Sub connector.			V
(4)-10	PCI-1202LU/8K	32-ch, 12-bit, 110 kS/s Low Gain Multi-function DAQ Board (8 K word FIFO) Includes one CA-4002 D-Sub connector. OEM Version			
(4)-11	PCI-1202HU/S	PCI-1202HU with DB-1825 daughter board , Cable Includes one CA-3710 D-Sub cable.			
(4)-12	PCI-1202LU/S	PCI-1202LU with DB-1825 daughter board , Cable Includes one CA-3710 D-Sub cable.			



Main		Diversity	Mode 1
(4)-13	PISO-CAN200U-D	2-Port Isolated Protection Universal PCI CAN Communication Board with 9-pin D-sub connector	V
(4)-14	PISO-CAN200U-T	2-Port Isolated Protection Universal PCI CAN Communication Board with 5-pin Screw Terminal Connector	
(4)-15	PISO-P8R8U	Universal PCI, 8-channel Relay Output with isolated digital input Board Includes one CA-4002 D-Sub connector.	V
(4)-16	PIO-D24U	Universal PCI bus, 24-channel DIO board	V
(4)-17	PIO-D56U	Universal PCI bus, 56-channel DIO board	
(4)-18	VXC-182iAU	Universal PCI Bus, Serial Communication Board with 1 Isolated RS-422/485 port and 1 RS-232 port	V

Support Unit					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
1.	Industrial Power Supply	ICP DAS	DP-1200	N/A	Non-Shielded, 1.7m