



EMC Test Report

Product Type : ICP DAS I/O Devices
Applicant : ICP DAS CO., LTD.
Address : No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351,
Taiwan, R.O.C.
Trade Name : ICP DAS
Model Number : I-8411
Test Specification : EN 55022: 2010 +AC:2011 / Class A
EN 55024: 2010
EN 61000-3-2: 2006 +A1:2009 + A2: 2009 / Class A
EN 61000-3-3: 2008
EN 61000-4-2:2009
EN 61000-4-3:2006 +A1:2008 +A2:2010
EN 61000-4-4:2012
EN 61000-4-5:2006
EN 61000-4-6:2009
EN 61000-4-8:2010
EN 61000-4-11:2004

Receive Date : Mar. 10, 2014
Test Period : Mar. 13 ~ 14, 2014
Issue Date : Apr. 25, 2014

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
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Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Mar. 26, 2014	Initial Issue	
01	Apr. 03, 2014	Revised report information.	Nina Lin
02	Apr. 25, 2014	Adding Keypart	Nico Peng

Verification of Compliance

Issued Date: 2014/04/25

Product Type : ICP DAS I/O Devices
Applicant : ICP DAS CO., LTD.
Address : No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County
30351, Taiwan, R.O.C.
Trade Name : ICP DAS
Model Number : I-8411
EUT Rated Voltage : AC 100-250V, 50/60Hz, 2.0A
Test Voltage : 230 Vac / 50 Hz
Applicable : EN 55022:2010 +AC:2011 / Class A
Standard : EN 55024:2010
EN 61000-3-2:2006+A1:2009+A2:2009 / Class A
EN 61000-3-3:2008
EN 61000-4-2:2009
EN 61000-4-3:2006 +A1:2008 +A2:2010
EN 61000-4-4:2012
EN 61000-4-5:2006
EN 61000-4-6:2009
EN 61000-4-8:2010
EN 61000-4-11:2004

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.

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Taoyuan County 334, Taiwan R.O.C.



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<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 2004/108/EC 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.

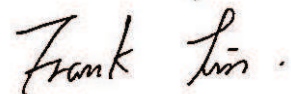
Approved By :



(Manager)

(Eric Chan)

Reviewed By :



(Testing Engineer)

(Frank Lin)

Feature of Equipment under Test :

The model listed below is series model to I-8411.

Main	Software	Diversity	Mode 1
RSM-405-R	---	5-Port Real-time Redundant Ring Switch with metal case (+12 ~ +48 VDC, non-isolation)	V
NS-205	---	Unmanaged 5-port Industrial Ethernet Switch	V
NS-205A	---	Unmanaged 5-port Industrial Ethernet Switch with Power Input +12 VDC ~ +56 VDC	V
NS-205PSE	---	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch	
NS-205G	---	Unmanaged 5-port Industrial 10/100/1000 Base-T Ethernet Switch	V
SG-3081	---	Isolated DC Current Input/Output Module	V
SG-3016	---	Isolated Strain Gauge Input Module	V
SG-3071	---	Isolated DC Voltage Input/Output Module	V
SG-3011	---	Isolated Thermocouple Input Module	V
I-7050D	---	I-7050 with LED Display	V
I-7050	---	7-channel Non-isolated Digital Input and 8-channel Non-isolated Digital Output Module with DCON Protocol	
M-7050D	---	M-7050 with LED Display	
M-7050	---	7-channel Non-isolated Digital Input and 8-channel Non-isolated Digital Output Module with DCON and Modbus Protocol	
I-7050A	---	7-channel Non-isolated Digital Input and 8-channel Non-isolated Digital Output Module with DCON Protocol (Current Sink)	
I-7050AD	---	I-7050A with LED Display	V
I-7018Z-G/S	---	10-channel Thermocouple Input Module with High Voltage Protection include I-7018Z module and DB-1820 daughter board	
I-7018Z-G/S2	---	10-channel Thermocouple Input Module with High Voltage Protection include I-7018Z module, DN-1822 daughter board and 1.8m cable	
I-7018Z	---	10-channel Thermocouple Input Module with High Voltage Protection	V
M-7018Z-G/S	---	10-channel Thermocouple Input Module include M-7018Z module and DB-1820 daughter board	
M-7018Z-G/S2	---	10-channel Thermocouple Input Module with High Voltage Protection	
M-7018Z	---	10-channel Thermocouple Input Module with High Voltage Protection	
M-7019R	---	8-channel Universal Analog Input Module with High Voltage Protection	
I-7019R	---	8-channel universal Analog Input Module with High voltage Protection	V
I-7021	---	One-channel 12-bit Analog Output Module	V
I-7021P	---	One-channel 16-bit Analog Output Module	V

Main	Software	Diversity	Mode 1
I-7016	---	2-channel Strain Gauge Input Module	
I-7016D	---	2-channel Strain Gauge Input Module with LED Display	V
M-7016	---	Strain Gauge Input Module	
M-7016D	---	Strain Gauge Input Module with LED display	
I-7015P	---	6-channel RTD Input Module with 3-wire RTD long distance measurement	V
M-7015P	---	6-channel RTD Input Module with 3-wire RTD lead resistance elimination	
I-7033	---	3-channel RTD Input Module	
I-7033D	---	3-channel RTD Input Module with LED display	V
M-7033	---	3-channel RTD Input Module	
M-7033D	---	3-channel RTD Input Module with LED display	
I-7017Z	---	10/20-channel Analog Input Module with High Voltage Protection	
M-7017Z	---	10/20-channel Analog Input Module with High Voltage Protection	V
I-7060D	---	I-7060 with LED Display	V
I-7060	---	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON Protocol	
M-7060D	---	M-7060 with LED Display	
M-7060	---	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON and Modbus Protocols	
I-7041	---	14-channel Isolated Digital Input Module with DCON Protocol	
I-7041D	---	I-7041 with LED Display	V
M-7041	---	14-channel Isolated Digital Input Module with DCON and Modbus Protocol	
M-7041D	---	M-7041 with LED Display	
I-7080	---	2-channel Counter/Frequency Input Module with DCON Protocol	
I-7080D	---	I-7080 with 7-segment LED Display	
I-7080B	---	2-channel Counter/Frequency Input Module with DCON Protocol with Virtual Battery Backup	
I-7080BD	---	I-7080B with 7-segment LED Display	V
M-7080	---	2-channel Counter/Frequency Input Module with DCON and Modbus Protocol	
M-7080D	---	M-7080 with 7-segment LED Display	
M-7080B	---	2-channel Counter/Frequency Input Module with DCON and Modbus Protocol with Virtual Battery Backup	
M-7080BD	---	M-7080B with 7-segment LED Display	
M-7015	---	RTD Input Module	

Main	Software	Diversity	Mode 1
I-7015	---	6-channel RTD Input Module	V
M-7061	---	12-channel Relay Output Module	
M-7061D	---	M-7061D with LED Display	
I-7061D	---	I-7061D with LED Display	V
I-7061	---	12-channel Relay Output Module	
I-7018P	---	8-channel Analog Input Module	
I-7018	---	8-channel Analog Input Module	V
M-7018	---	8-channel Analog Input Module	
I-7018BL	---	8-channel Analog Input Module	
I-7018R	---	8-channel Analog Input Module with high voltage protection	V
M-7018R	---	8-channel Analog Input Module with high voltage protection	
I-7065	---	4-channel Isolated Digital Input and 5-channel Relay Output Module using the DCON Protocol	
I-7065D	---	I-7065 with LED Display	V
M-7065	---	4-channel Isolated Digital Input and 5-channel Relay Output Module using the DCON and Modbus Protocols	
M-7065D	---	M-7065 with LED Display	
M-7002	---	4-channel AI, 5-channel DI and 4-channels Relay Output Module with DCON and Modbus Protocol	V
I-7022	---	2-channel 12-bit Analog Output Module (channel to channel isolation)	V
M-7022	---	2-channel 12-bit Analog Output Module (channel to channel isolation)	
I-7044	---	4-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
I-7044D	---	I-7044D with LED Display	V
ET-7051	---	Ethernet I/O Module with 16-ch DI	
PET-7051	---	PoE Ethernet I/O Module with 16-ch DI	V
PET-7051-48V	---	PoE Ethernet I/O Module with 16-ch DI	
WISE-7151	---	16-channel Isolation Digital Input PoE Module	
ET-7053	---	Ethernet I/O Module with 16-ch DI	
PET-7053	---	PoE Ethernet I/O Module with 16-ch DI	V
WISE-7153		16-channel Dry Contact Digital Input PoE Module	
ET-7017	---	Ethernet I/O Module with 8-ch AI, 4-ch DO	
PET-7017	---	PoE Ethernet I/O Module with 8-ch AI, 4-ch DO	V

Main	Software	Diversity	Mode 1
WISE-7117	---	8-channel Analog Input with High Voltage Protection and 4-channel Isolated Output PoE Module	
ET-7017-10	---	Ethernet I/O Module with 10/20-ch AI	
PET-7017-10	---	PoE Ethernet I/O Module with 10/20-ch AI	V
ET-7018Z	---	10-channel Thermocouple Input Module with High Voltage Protection	
ET-7018Z/S	---	Ethernet I/O Module with 10-ch Thermocouple Inputs, 6-ch DO with DN-1820 Daughter Board	
ET-7018Z/S2	---	Ethernet I/O Module with 10-ch Thermocouple Inputs, 6-ch DO with DN-1822 Daughter Board and a 1.8 m Cable	
PET-7018Z	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Output PoE Module	V
PET-7018Z/S	---	PoE Ethernet I/O Module with 10-ch Thermocouple Inputs, 6-ch DO with DN-1820 Daughter Board	
PET-7018Z/S2	---	PoE Ethernet I/O Module with 10-ch Thermocouple Inputs, 6-ch DO with DN-1822 Daughter Board and a 1.8 m Cable with PoE	
WISE-7118Z	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Output PoE Module	
WISE-7118Z/S	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Output PoE Module Include WISE-7118Z Module and DB-1820 Daughter Board	
WISE-7118Z/S2	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Output PoE Module and DN-1822 daughter board and 1.8m cable.	
ET-7067	---	Ethernet I/O Module with 8-ch Relay	
PET-7067	---	PoE Ethernet I/O Module with 8-ch Relay	V
WISE-7167	---	8-Channel Power Relay Output PoE Module	
ET-7060	---	Ethernet I/O Module with 6-ch Relay Output and 6-ch DI	
PET-7060	---	PoE Ethernet I/O Module with 6-ch Relay Output and 6-ch DI	V
WISE-7160	---	6-channel Power Relay Output and 6-channel Isolation Digital Input PoE Module	
ET-7044	---	Ethernet I/O Module with 8-ch DI, 8-ch DO	
PET-7044	---	PoE Ethernet I/O Module with 8-ch DI, 8-ch DO	V
PET-7044-48V	---	PoE Ethernet I/O Module with 8-ch DI, 8-ch DO	
WISE-7144	---	8-channel Isolated Sink Type Open Collector Output and 8-channel Isolated Digital Input PoE Module	
ET-7026	---	Ethernet I/O Module with 6-ch AI, 2-ch AO, 2-ch DI, 2-ch DO	
PET-7026	---	PoE Ethernet I/O Module with 6-ch AI, 2-ch AO, 2-ch DI, 2-ch DO	V
PET-7026-48V	---	PoE Ethernet I/O Module with 6-ch AI, 2-ch AO, 2-ch DI, 2-ch DO	

Main	Software	Diversity	Mode 1
WISE-7126	---	6-channel Analog Inputs, 2-channel Analog Outputs, 2-channel Digital Inputs and 2-channel Digital Outputs PoE Module	
ET-7015	---	Ethernet I/O Module with 7-ch RTD Inputs	
PET-7015	---	PoE Ethernet I/O Module with 7-ch RTD Inputs	V
WISE-7115	---	7-channel RTD Input with 3-wire RTD lead resistance elimination PoE Module	
ET-7042	---	Ethernet I/O Module with 16-ch DO	
PET-7042	---	PoE Ethernet I/O Module with 16-ch DO	V
WISE-7142	---	16-channel Isolated Digital Output PoE Module	
ET-7002	---	Ethernet I/O Module with 3-ch AI, 6-ch DI, 3-ch Relay	
PET-7002	---	3-channel analog inputs, 6-channel digital inputs and 3-channel Relay outputs module PoE Module	V
WISE-7102	---	3-Channel Analog Inputs, 6-Channel Digital Inputs and 3-Channel Power Relay Outputs PoE Module	
I-7540D	---	Internet communication controller with one CAN bus, one RS-232, one RS-485 and one Ethernet	V
I-7540D-MTCP	---	CAN to Ethernet / Modbus TCP / Modbus RTU Converter	V
I-7547	---	Ethernet To HART Converter	V
I-8411	MiniOS7	I-8411 Embedded Controller	V
I-8417	MiniOS7	4 slots ISaGRAF PAC	
I-8040	---	32-channel Isolated Digital Input Module	V
I-8041	---	32-channel Isolated Digital Output Module	V
I-8040W	---	32-channel Isolated Digital Input	V
I-8040PW	---	32-channel Isolated Digital Input with Low Pass Filter Module	
I-8050	---	16-channel Universal Digital I/O Module	V

Devices Description					
Product	Manufacturer	Model Number	Serial Number	Power Cord	
(1)	Monitor	DELL	U2711	CN0H530T7426105K04 3L	Non-Shielded, 1.8m
(2)	Keyboard	DELL	SK-8115	MY-0DJ325-71619-711 31366	Power by PC
(3)	Mouse	DELL	MOC5U	N/A	Power by PC
(4)	PC	ICP DAS	VB-115H	N/A	Non-Shielded, 1.8m
※ PC Keypart information					
Main	Software	Diversity			Mode 1
(4)-1	PIO-DA4U	---	Universal PCI 4-channel D/A board (RoHS) Includes one CA-4002 D-Sub connector.		
(4)-2	PIO-DA8U	---	Universal PCI 8-channel D/A board (RoHS) Includes one CA-4002 D-Sub connector.		
(4)-3	PIO-DA16U	---	Universal PCI 16-channel D/A board (RoHS) Includes one CA-4002 D-Sub connector.		
(4)-4	PISO-P64	---	64-channel Optically Isolated Digital Input Board		
(4)-5	PISO-P64U	---	Universal PCI, 64-channel Optically Isolated Digital Input Board. (RoHS) Includes one CA-4037B cable and two CA-4002 D-Sub connectors.		
(4)-6	PISO-P64U-24V	---	Universal PCI, 64-channel Optically Isolated Digital Input Board. (RoHS) Includes one CA-4037B cable and two CA-4002 D-Sub connectors.		
(4)-7	PISO-813	---	32 channel isolated analog input board Includes one CA-4002 D-Sub connector.		
(4)-8	PISO-813 / S	---	32 channel isolated analog input board Includes one CA-4002 D-Sub connector and one DB-8325.		
(4)-9	ISO-P64	---	Isolated 64-chanel digital Input Board Includes one CA-4037W cable and two CA-4002 D-Sub connectors		
(4)-10	ISO-730	---	32-channel Isolated digital I/O and 32-channel TTL digital I/O Board. (RoHS) Includes one CA-4002 D-Sub connector.		

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