



## FCC 47 CFR PART 15 SUBPART B

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 : FCC 47 CFR PART 15 SUBPART B: Oct., 2013  
ANSI C63.4: 2009  
CISPR 22: 2008  
Receive Date : Mar. 10, 2014  
Test Period : Mar. 13 ~ 14, 2014  
Issue Date : Apr. 25, 2014

### Issue by

A Test Lab Techno Corp.  
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Taiwan Accreditation Foundation accreditation number: 1330

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**Revision History**

<b>Rev.</b>	<b>Issue Date</b>	<b>Revisions</b>	<b>Revised By</b>
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 : 120 Vac / 60 Hz  
Applicable : FCC 47 CFR PART 15 SUBPART B: Oct., 2013  
Standard : ANSI C63.4: 2009  
CISPR 22: 2008  
Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.

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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 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 :  Reviewed By :   
(Manager) (Eric Chan) (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