



EMC Test Report

Product Type : ICP DAS with Converter
Applicant : ICP DAS CO., LTD.
Address : No. 111, Kuangfu N. Rd., Hukon Shiang, Hsinchu, Taiwan 303, R.O.C
Trade Name : ICP DAS
Model Number : I-2542
Test Specification : EN 55022: 2010 / Class A
EN 55024: 2010
EN 61000-3-2: 2006+A1:2009+A2:2009 / Class A
EN 61000-3-3: 2008
Receive Date : Jun. 15, 2012
Issue Date : Jul. 03, 2012

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

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Verification of Compliance

Issued Date: 2012/07/03


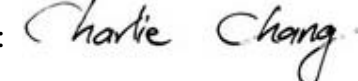
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Applicant : ICP DAS CO., LTD.
Address : No. 111, Kuangfu N. Rd., Hukon Shiang, Hsinchu, Taiwan 303,
R.O.C
Trade Name : ICP DAS
Model Number : I-2542
EUT Rated Voltage : 230 Vac / 50 Hz
Test Voltage : 230 Vac / 50 Hz
Applicable : EN 55022:2006+A1:2007 / Class A
Standard : EN 55024:1998+A1:2001+A2:2003
EN 61000-3-2:2006+A1:2009+A2:2009 / Class A
EN 61000-3-3:2008

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, R&TTE Directive 1999/5/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 :  Reviewed By : 
(Manager) (Murphy Wang) (Testing Engineer) (Charlie Chang)

Feature of Equipment under Test :

The model listed below is series model to I-2542.

Main	Software	Diversity	Mode 1
GW-7228	---	J1939 / Modbus RTU Slave Gateway.	V
I-2541	---	RS-232/422/485 to Fiber Optic Converter.	
I-2542	---	RS-232/422/485 to Fiber Optic Converter.	
FR-2053TA	---	16-channel isolated sink/source input module.	V
FR-2053HTA	---	16-channel isolated sink/source input module.	
I-7005	---	8-channel Thermistor Input and 6 channel Alarm Output Module.	
I-7012	---	One-Channel Analog Input Module.	
I-7012D	---	One-Channel Analog Input Module with LED Display.	
I-7012F	---	One-Channel High Speed Analog Input Module.	
I-7012FD	---	One-Channel High Speed Analog Input Module with LED Display.	V
I-7013	---	One-channel RTD Input Module.	
I-7013D	---	One-channel RTD Input Module with LED Display.	V
I-7018Z/S2	---	10-channel Thermocouple Input Module with High Voltage Protection.	
M-7024R	---	4-channel Analog Output and 5-channel DI Module with DCON and Modbus Protocol	
M-7041	---	Isolated Digital Input Module.	
M-7041D	---	Isolated Digital Input Module with LED display.	
M-7053	---	16-channel Non-Isolated Digital Input Module with 16-bit Counters.	
M-7053D	---	16-channel Non-Isolated Digital Input Module with 16-bit Counters with LED display.	
M-7066P	---	7-channel PhotoMOS Relay Output Module with DCON and Modbus Protocols.	
M-7066PD	---	7-channel PhotoMOS Relay Output Module with DCON and Modbus Protocols with LED display.	V
M-7067	---	7-channel Relay Output Module.	
M-7067D	---	7-channel Relay Output Module with LED display.	
M-7080	---	Counter / Frequency input module.	
M-7080D	---	Counter / Frequency input module with LED display.	
I-7042	---	13-channel Open Collector Isolated Digital Output Module.	
I-7042D	---	13-channel Open Collector Isolated Digital Output Module with LED Display.	V
M-7050	---	7-channel Sink Type Non-Isolated Digital Input and 8-channel Sink Type Non-Isolated Digital Output Module with 16-bit Counters.	
M-7050D	---	7-channel Sink Type Non-Isolated Digital Input and 8-channel Sink Type Non-Isolated Digital Output Module with 16-bit Counters with LED display.	

Main	Software	Diversity	Mode 1
I-7051	---	16-channel Isolated Digital Input Module with 16-bit Counters.	
I-7051D	---	16-channel Isolated Digital Input Module with 16-bit Counters with LED Display.	V
I-7053_FG	---	16-channel Non-Isolated Digital Input Module with 16-bit Counters.	
I-7053D_FG	---	16-channel Non-Isolated Digital Input Module with 16-bit Counters with LED Display.	
I-7063	---	8-channel Isolated Digital Input and 3-channel Relay Output Module with 16-bit Counters.	
I-7063A	---	8-channel Isolated Digital Input and 3-channel AC SSR Output Module with 16-bit Counters.	
I-7063AD	---	8-channel Isolated Digital Input and 3-channel AC SSR Output Module with 16-bit Counters with LED Display.	
I-7063B	---	8-channel Isolated Digital Input and 3-channel DC SSR Output Module with 16-bit Counters.	
I-7063BD	---	8-channel Isolated Digital Input and 3-channel DC SSR Output Module with 16-bit Counters with LED Display.	V
I-7063D	---	8-channel Isolated Digital Input and 3-channel Relay Output Module with 16-bit Counters with LED Display.	
I-7066	---	7-channel Photo-Mos Relay Output Module.	
I-7066D	---	7-channel Photo-Mos Relay Output Module with LED Display.	
I-7523	---	Embedded communication controller with one RS-485 and three RS-232.	
I-7523D	---	Embedded communication controller with one RS-485 and three RS-232 with LED Display.	V
I-7540D-WF	---	CAN to Wi-Fi Converter.	V
I-8014W	---	250 KS/s, 16-bit, 8/16-channel Analog Input Module.	V
I-8017DW	---	8-channel Analog Input Module, Jumper select.	
I-8017HCW	---	8-channel Analog Input Module.	V
I-8051	---	16-channel Digital Input Module.	
I-8052	---	8-channel Isolated Digital Input Module.	
I-8052W	---	8-channel Isolated Digital Input Module.	
I-8053	---	16-channel Isolated Digital Input Module.	
I-8053W	---	16-channel Isolated Digital Input Module.	
I-8054	---	16-channel Isolated Digital I/O Module.	
I-8055	---	16-channel Digital I/O Module.	
I-8056	---	16-channel Non-isolated Open Collector Output Module.	
I-8057	---	16-channel Isolated Open Collector Output Module.	
I-8058	---	8-channel Isolated Digital Input Module.	V
I-8060	---	6-channel Relay Output Module.	V
I-8063	---	4-channel Isolated Digital Input and 4-channel Relay Output Module.	

Main	Software	Diversity	Mode 1
I-8064	---	16-channel Isolated Digital Input Module with 16-bit Counters.	
I-8064W	---	8-channel Power Relay Output Module.	
I-8065	---	8-channel AC SSR Output Module.	
I-8066	---	8-channel SSR-DC Output Module.	
I-8068	---	4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module.	
I-8069	---	8-channel PhotoMOS Relay Output Module.	V
I-8072	---	Printer Port & Xsocket Card.	
I-8072B	---	Two Xsocket Card.	
I-8073	---	MultiMediaCard(MMC) Module.	
I-8077	---	16-channel Digital I/O Simulator Module.	V
I-8123	---	1 Port High Performance CANopen Master Module.	
I-8124W	---	1 Port High Performance DeviceNet Master Module.	V
I-8172	---	2-port FRnet module.	V
I-8430	---	4 Slot I/O Embedded Controller 256 KB flash, 256 KB SRAM, 10M Ethernet.	
I-8430-80	---	4 Slot I/O Embedded Controller 512 KB flash, 512 KB SRAM, 10M Ethernet with 80 MHz CPU.	
I-8431	---	4 Slot I/O Embedded Controller 512 KB flash, 512 KB SRAM, 10M Ethernet.	
I-8431-80-MTCP	---	Modbus/TCP Embedded Controller with 80MHz CPU.	
I-8431-MTCP	---	4 Slot I/O Modbus/TCP Embedded Controller.	
I-8437-80	---	4 Slot I/O ISaGRAF Embedded Controller 512 KB flash, 512 KB SRAM, 10M Ethernet.	
I-8438	---	4 Slot I/O Matlab Embedded Controller 80MHz CPU, 512 KB flash, 512 KB SRAM, 10M Ethernet.	
I-87013	---	4-channel RTD Input Module.	V
I-87013W	---	4-channel RTD Input Module.	
I-87015PW	---	7-channel RTD Input Module with 3-wire RTD lead resistance elimination.	V
I-87015W	---	7-channel RTD Input Module.	
I-87017	---	8-channel Analog Input Module.	
I-87017W	---	8-channel Analog Input Module.	
I-87018	---	8-channel Thermocouple Input Module.	V
I-87018W	---	8-channel Thermocouple Input Module.	
I-87024	---	4-channel 14-bit analog output module.	V
I-87024W	---	4-channel 14-bit analog output module.	

Main	Software	Diversity	Mode 1
I-87040W	---	32-channel Isolated Digital Input Module with 16-bit Counters.	
I-87041W	---	32-channel Sink Type Open Collector Isolated Digital Output Module.	
I-87051W	---	16-channel Non-Isolated Digital Input Module with 16-bit Counters.	
I-87052	---	8-channel Isolated Digital Input Module with 16-bit Counters.	V
I-87052W	---	8-channel Isolated Digital Input Module with 16-bit Counters.	
I-87053W-A2	---	16-channel 19-50 VDC Isolated Digital Input Module with 16-bit Counters.	
I-87053W-AC1	---	16-channel AC Isolated Digital Input Module with 16-bit Counters.	
I-87054	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters.	
I-87055	---	8-channel Non-Isolated Digital Input and 8-channel Non-Isolated Digital Output Module with 16-bit Counters.	V
I-87055W	---	8-channel Non-Isolated Digital Input and 8-channel Non-Isolated Digital Output Module with 16-bit Counters.	
I-87058W	---	8-channel 80-250VAC Isolated Digital Input Module with 16-bit Counters.	
I-87059W	---	8-channel 10-80VAC Isolated Digital Input Module with 16-bit Counters.	
I-87063	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters.	
I-87063W	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters.	
I-87064W	---	8-channel Relay Output Module.	
I-87068	---	4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module.	
I-87069PW	---	8-channel PhotoMOS Relay Output Module.	V
I-87211W	---	GPS Receiver Module with 2 DO and 1 PPS output, includes ANT-115-03.	
RU-87P1	---	1 slots I/O expansion unit.	
RU-87P2	---	2 slots I/O expansion unit.	
RU-87P4	---	4 slots I/O expansion unit.	
RU-87P8	---	8 slots I/O expansion unit.	
I-8KE4-MTCP	---	4-slots Ethernet I/O unit.	
I-8KE8-MTCP	---	8-slots Ethernet I/O unit.	
I-87KE8	---	Ethernet I/O unit with 8 I/O slots (DCON protocol).	
I-87KE8-MTCP	---	Ethernet I/O unit with 8 I/O slots (Modbus/TCP protocol).	
I-8830	---	8 Slot I/O Embedded Controller 256 KB flash, 256 KB SRAM, 10M Ethernet.	V
I-8831	---	8 Slot I/O Embedded Controller 512 KB flash, 512 KB SRAM, 10M Ethernet.	
I-8831-80	---	8 Slot I/O Embedded Controller 512 KB flash, 512 KB SRAM, 10M Ethernet with 80MHz CPU.	
I-8831-80-MTCP	---	8 Slot I/O Modbus/TCP Embedded Controller with 80MHz CPU.	
I-8831-MTCP	---	8 Slot I/O Modbus/TCP Embedded Controller.	

Main	Software	Diversity	Mode 1
I-8837-80	---	8 Slot I/O ISaGRAF Embedded Controller 512 KB flash, 512 KB SRAM, 10M Ethernet.	
I-8838	---	8 Slot I/O Matlab Embedded Controller 80M CPU, 512 KB flash, 512 KB SRAM, 10M Ethernet.	
LC-103	---	Lighting Control Module.	V
LC-485	---	4 Channels RS-485 Hub.	V
M-7003	---	8-channel AI and 4-channels Relay Output Module.	
NS-200WDM-A	---	10/100BaseT(X) to 100BaseFX Single-Strand Media Converter, TX 1310 nm, RX 1550 nm, SC.	
NS-200WDM-B	---	10/100BaseT(X) to 100BaseFX Single-Strand Media Converter, TX 1550 nm, RX 1310 nm, SC.	
NS-208	---	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch with Power Input +10 VDC ~ +30 VDC.	
NS-208G	---	Unmanaged 8-port 10/100/1000 Base-T Ethernet Switch with Power Input +10 VDC ~ +30 VDC.	
NSM-108	---	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch with Power Input +10 VDC ~ +30 VDC, metal casing.	
NS-205AFT-T	---	Multi-mode, ST Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch.	
NS-205AFC-T	---	Multi-mode, SC Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch.	
NS-205AFCS-T	---	Single-mode 30 km, SC Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch.	
NS-205AFCS-60T	---	Single-mode 60 km, SC Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch.	
NSM-205AFT-T	---	Multi-mode, ST Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch; metal case.	
NSM-205AFC-T	---	Multi-mode, SC Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch; metal case.	
NSM-205AFCS-T	---	Single-mode 30 km, SC Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch; metal case.	
NSM-205AFS-60T	---	Single-mode 60 km, SC Connector, 4-port 10/100 Mbps with 1 Fiber ports Switch; metal case.	
NS-206AFT-T	---	Multi-mode, ST Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch.	
NS-206AFC-T	---	Multi-mode, SC Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch.	
NS-206AFCS-T	---	Single-mode 30 km, SC Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch.	
NS-206AFCS-60T	---	Single-mode 60 km, SC Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch.	
NSM-206AFT-T	---	Multi-mode, ST Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch; metal case.	
NSM-206AFC-T	---	Multi-mode, SC Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch; metal case.	
NSM-206AFCS-T	---	Single-mode 30 km, SC Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch; metal case.	V
NSM-206AFS-60T	---	Single-mode 60 km, SC Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch; metal case.	
NS-208R	---	8-port Industrial 10/100 Mbps Ethernet Switch.	
NSM-208-M12	---	8-port M12 Unmanaged Ethernet Switch Includes M12D-4P-IP68 x 8, A-CAP-M12M x 8, M12A-5P-IP68 and A-CAP-M12F x 1.	
NSM-208PSE-M12	---	8-port M12 Unmanaged PoE Ethernet Switch Includes M12D-4P-IP68 x 8, A-CAP-M12M x 8, M12A-5P-IP68 and A-CAP-M12F x 1.	V

Main	Software	Diversity	Mode 1
NSM-209FC	---	Multi-mode, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch; metal case.	
NSM-209FT	---	Multi-mode, ST Connector, 8-port 10/100 Mbps with 1 fiber port Switch; metal case.	
RM-104	---	4-channel Power Relay Modules, 1 form C.	
RM-108	---	8-channel Power Relay Modules, 1 form C.	
RM-116	---	16-channel Power Relay Modules, 1 form C.	
RM-204	---	4-channel Power Relay Modules, 2 form C.	
RM-208	---	8-channel Power Relay Modules, 2 form C.	
RM-216	---	16-channel Power Relay Modules, 2 form C.	V
RS-405A	---	5-Port Real-time Redundant Ring Switch.	
RS-405FC	---	5-Port Real-time Redundant Ring Switch with 2-Fiber Port, Multi Mode, SC Type.	V
RS-405FCS	---	5-Port Real-time Redundant Ring Switch with 2-Fiber Port, Single Mode, SC Type.	
RS-405FT	---	5-Port Real-time Redundant Ring Switch with 2-Fiber Port, Multi Mode, ST Type.	
RSM-405A	---	5-Port Real-time Redundant Ring Switch with metal case.	
RSM-405FC	---	5-Port Real-time Redundant Ring Switch with 2-Fiber Port, Multi Mode, SC Type, metal case.	
RSM-405FCS	---	5-Port Real-time Redundant Ring Switch with 2-Fiber Port, Single Mode, SC Type, metal case.	
RSM-405-R	---	5-Port Real-time Redundant Ring Switch with metal case.	
RS-408A	---	8-Port Real-time Redundant Ring Switch.	
RSM-408A	---	8-Port Real-time Redundant Ring Switch with metal case.	
SAR-713	---	Seismic Alarm Recorder with Metal casing.	V
tDS-724	---	Tiny Device Server with PoE and 1 RS-232 and 1 RS-485 Ports.	V
tDS-734	---	Tiny Device Server with PoE and 2 RS-232 and 1 RS-485 Ports.	V
tGW-724	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 1 RS-232 and 1 485 Ports.	
tGW-734	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 2 RS-232 and 1 485 Ports.	
tM-7510U	---	Isolated RS-485 Repeater	
tM-7521	---	Tiny Addressable Serial Converter with PoE and 1 RS-232 and 1 RS-485 Ports.	
tM-7522	---	Tiny Addressable Serial Converter with PoE and 2 RS-232 and 1 RS-485 Ports.	
tM-P3POR3	---	3-channel Isolated Digital Input and 3-channel PhotoMOS Relay Output Module.	V