



EMC Test Report

Product Type : ICP DAS Controller IO 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 : TP-6150
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: 2013
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 : Jun. 30, 2014
Test Period : Jul. 08 ~ 14, 2014
Issue Date : Aug. 04, 2014

Issue by

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

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Verification of Compliance

Issued Date: 08/04/2014

Product Type : ICP DAS Controller IO 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 : TP-6150
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 61000-3-3:2013
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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<http://www.atl-lab.com.tw/e-index.htm>

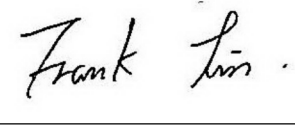


The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the Electromagnetic Compatibility Directive 2004/108/EC and technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By : 

(Manager)

(Roy Chen)

Reviewed By : 

(Testing Engineer)

(Frank Lin)

2 EUT Description

Product Type	:	ICP DAS Controller IO Devices
Trade Name	:	ICP DAS
Model Number	:	TP-6150
Applicant	:	ICP DAS CO., LTD. No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.
Manufacturer	:	ICP DAS CO., LTD. No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.

I/O Port Description :

I/O Port Types	Q'TY	Test Description
1). DC Power Port	1	Connected to EUT
2). LAN Port	1	Connected to EUT
3). USB Port	1	Connected to EUT
4). AC Power Port	1	Connected to AC input

Feature of Equipment under Test :

The model listed below is series model to TP-6150.

Main	Software	Diversity	Mode 1
CAN-2019C	---	CANOpen Slave Module of 10-channel Universal Analog Input Include CAN-2019C module	√
CAN-2019C/S	---	CANOpen Slave Module of 10-channel Universal Analog Input Include CAN-2019C module and a DB-1820 daughter board	
CAN-2019C/S2	---	CANOpen Slave Module of 10-channel Universal Analog Input Include CAN-2019C module, a DB-1822 daughter board and a 1.8m Cable	
CAN-2026C	---	CANOpen slave module with 6-channel AI, 2-channel AO, 1-channel DO and 2-channel DI	√
I-7005	---	8-channel Thermistor Input and 6 channel Alarm Output Module	√
I-7005-X	---	8-channel Thermistor Input and 6 channel Alarm Output Module (X:The Cover is mean any color)	
M-7005	---	8-channel Thermistor Input and 6 channel Alarm Output Module	
M-7005-X	---	8-channel Thermistor Input and 6 channel Alarm Output Module (X:The Cover is mean any color)	
I-7011	---	One-channel Thermocouple Input Module	
I-7011D	---	One-channel Thermocouple Input Module with LED Display	√
M-7011	---	One-channel Thermocouple Input Module	
M-7011D	---	One-channel Thermocouple Input Module with LED Display	
I-7011P	---	One-channel Thermocouple Input Module	
I-7011PD	---	One-channel Thermocouple Input Module with Display	√
I-7014D	---	Analog Transmitter Input with LED Display	√
I-7188EX-MTCP	MiniOS7	I-7188EX with default Modbus/TCP firmware	
I-7188EXD-MTCP	MiniOS7	I-7188EXD with default Modbus/TCP firmware	
I-7188EX	MiniOS7	I-7188EXD without display	
I-7188EXD	MiniOS7	Embedded controller with 7-segment display, developing tool kit, 512K bytes flash, 512K bytes SRAM and MiniOS7.	√
I-7188E8	MiniOS7	I-7188E8D without LED display	
I-7188E8D	MiniOS7	Internet communication controller with seven RS-232, one RS-485 and one Ethernet	√
I-7188E4	MiniOS7	I-7188E4D without LED display	
I-7188E4D	MiniOS7	Internet communication controller with three RS-232, one RS-485 and one Ethernet	√
I-7188E5-485	MiniOS7	Internet Communication Controller	
I-7188E5D-485	MiniOS7	I-7188E5-485 with seven-segment display	
I-7188E5	MiniOS7	I-7188E5D without LED display	√
I-7188E5D	MiniOS7	Internet communication controller with four RS-232, one RS-485 and one Ethernet	
I-7188E1	MiniOS7	I-7188E1D without LED display	

Main	Software	Diversity	Mode 1
I-7188E1D	MiniOS7	Ethernet to RS-232 converter	V
I-7188E3-232	MiniOS7	I-7188E3D-232 without LED display	
I-7188E3D-232	MiniOS7	Internet communication controller with two RS-232, one RS-485 and one Ethernet	V
I-7188	MiniOS7	Embedded controller includes 512K flash, MiniOS7, download utility, download cable and manual.	
I-7188D	MiniOS7	Embedded controller includes 512K flash, 5 digits seven segment display, MiniOS7, 5 digits seven segment display, download utility, download cable and manual.	V
I-7188/DOS/512	ROM-DOS	Embedded controller includes 512K flash, ROM-DOS, download utility, download cable and manual.	
I-7188D/DOS/512	ROM-DOS	Embedded controller includes 512K flash, 5 digits seven segment display, ROM-DOS, 5 digits seven segment display, download utility, download cable and manual.	
I-7188EA	MiniOS7	Embedded Internet / Ethernet controller with 512K bytes flash, 512K bytes SRAM	
I-7188EAD	MiniOS7	I-7188EA with 7-segment LED display	V
I-7520U4	---	Isolated RS-232 to 4 Channels RS-485 Active Hub	V
I-7520U4-X	---	Isolated RS-232 to 4 Channels RS-485 Active Hub (X:The Cover is mean any color)	
I-7520U4-CA-X	---	I-7520U4-G CR with CA-0915 cable (X:The Cover is mean any color)	
I-7530	---	Intelligent RS-232 to CAN converter	V
I-7530T	---	Intelligent RS-232 to CAN converter	
I-7530-FT	---	Intelligent RS-232/CAN low speed fault tolerant converter	V
I-7530A	---	Intelligent RS-232/485/422 to CAN converter	V
I-7560	---	USB to RS-232 Converter	V
I-7563U	---	USB to Isolated RS-485 Active Star Wiring Converter	V
I-7563U-X	---	USB to Isolated RS-485 Active Star Wiring Converter (X:The Cover is mean any color)	
I-7563	---	USB to Isolated RS-485 Active Star Wiring Converter	V
I-7563-X	---	USB to Isolated RS-485 Active Star Wiring Converter (X:The Cover is mean any color)	
I-7565	---	Intelligent USB to CAN converter	V
I-7565-H1	---	High Performance Intelligent USB to 1-port CAN bus converter	V
I-7565-H2	---	High Performance Intelligent USB to 2-port CAN bus converter	V
I-8017H	---	14-bit 100K sampling rate 8-channel analog input module	V
I-8017H-X	---	14-bit 100K sampling rate 8-channel analog input module (X:The Cover is mean any color)	
I-8017HW	---	8-channel Analog Input Module	V

Main	Software	Diversity	Mode 1
I-8017HW-X	---	8-channel Analog Input Module (X:The Cover is mean any color)	
I-8024W	---	4-channel 14-bit analog output module	V
I-8024W-X	---	4-channel 14-bit analog output module (X:The Cover is mean any color)	
I-8037	---	16-channel Isolated Open Collector Output Module	V
I-8037-X	---	16-channel Isolated Open Collector Output Module (X:The Cover is mean any color)	
I-8042	---	16-channel Isolated Digital Input & 16-channel Isolated Digital Output Module	V
I-8042-X	---	16-channel Isolated Digital Input & 16-channel Isolated Digital Output Module(X:The Cover is mean any color)	
NS-208AG	---	Unmanaged 8-port 10/100/1000 Base-T Ethernet Switch with Power Input +12 VDC ~ +48 VDC	V
NSM-208AG	---	Unmanaged 8-port 10/100/1000 Base-T Ethernet Switch with Power Input +12 VDC ~ +48 VDC, metal casing	
WP-8431	Windows CE 5.0	Standard WinPAC-8000 with 4 I/O slots	V
WP-8431-EN	Windows CE 5.0	Standard WinPAC-8000 with 4 I/O slots (English verison of OS)	
WP-8436-EN	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-8000 with 4 I/O slots (English version of OS)	
WP-8437-EN	Windows CE 5.0	4 slots Ethernet WinCE 5.0 Based ISaGRAF WinPAC-8000 (OS:Multilanguage)	
WP-8439-EN	Windows CE 5.0	InduSoft based WinPAC-8000 with 4 I/O slots (English version of OS)	
WP-8431-TC	Windows CE 5.0	Standard WinPAC-8000 with 4 I/O slots (Traditional Chinese verison of OS)	
WP-8436-TC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-8000 with 4 I/O slots (Traditional Chinese version of OS)	
WP-8437-TC	Windows CE 5.0	4 slots Ethernet WinCE 5.0 Based ISaGRAF WinPAC-8000 (OS:Traditional Chinese)	
WP-8439-TC	Windows CE 5.0	InduSoft based WinPAC-8000 with 4 I/O slots (Traditional Chinese version of OS)	
WP-8431-SC	Windows CE 5.0	Standard WinPAC-8000 with 4 I/O slots (Simplified Chinese verison of OS)	
WP-8436-SC	Windows CE 5.0	InduSoft and ISaGRAFbased WinPAC-8000 with 4 I/O slots (Simplified Chinese version of OS)	
WP-8437-SC	Windows CE 5.0	4 slots Ethernet WinCE 5.0 Based ISaGRAF WinPAC-8000 (OS:Simplified Chinese)	
WP-8439-SC	Windows CE 5.0	InduSoft based WinPAC-8000 with 4 I/O slots (Simplified Chinese version of OS)	
LP-8431-EN	Linux kernel 2.6	Standard LinPAC-8000 with 4 I/O Slots (English Version of OS)	
WP-8131	Windows CE 5.0	Standard WinPAC-8000 with 1 I/O slots	V

Main	Software	Diversity	Mode 1
WP-8131-EN	Windows CE 5.0	Standard WinPAC-8000 with 1 I/O slots (English version of OS)	
WP-8136-EN	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-8000 with 1 I/O slot (English version of OS)	
WP-8137-EN	Windows CE 5.0	1 slots Ethernet WinCE 5.0 Based ISaGRAF WinPAC-8000 (OS:Multilanguage)	
WP-8139-EN	Windows CE 5.0	InduSoft based WinPAC-8000 with 1 I/O slots (English version of OS)	
WP-8131-TC	Windows CE 5.0	Standard WinPAC-8000 with 1 I/O slots (Traditional Chinese version of OS)	
WP-8136-TC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-8000 with 1 I/O slot (Traditional Chinese version of OS)	
WP-8137-TC	Windows CE 5.0	1 slots Ethernet WinCE 5.0 Based ISaGRAF WinPAC-8000 (Traditional Chinese)	
WP-8139-TC	Windows CE 5.0	InduSoft based WinPAC-8000 with 1 I/O slots (Traditional Chinese version of OS)	
WP-8131-SC	Windows CE 5.0	Standard WinPAC-8000 with 1 I/O slots (Simplified Chinese version of OS)	
WP-8136-SC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-8000 with 1 I/O slot (Simplified Chinese version of OS)	
WP-8137-SC	Windows CE 5.0	1 slots Ethernet WinCE 5.0 Based ISaGRAF WinPAC-8000 (Simplified Chinese of OS)	
WP-8139-SC	Windows CE 5.0	InduSoft based WinPAC-8000 with 1 I/O slots (Simplified Chinese version of OS)	
LP-8131-EN	Linux kernel 2.6	Standard LinPAC-8000 with 1 I/O Slot (English Version of OS)	
PM-3133-100	---	Modbus RTU ; 3-phase Power Meter (60 A)	√
PM-3133-160	---	Modbus RTU ; 3-phase Power Meter (100 A)	
PM-3133-240	---	Modbus RTU ; 3-phase Power Meter (200 A)	
PM-3133-xxxxyyy	---	Modbus RTU ; 3-phase Power Meter (xxx can be 100 , 160 or 240 ; yyy can be -CAN,-CPS,-MTCP or blank)	
PDS-5105D-MTCP	---	Programmable Device Server with 10 RS-485 Ports, 2-Port Switch and LED Display	√
TP-6150	---	15" (1024 x 768) resistive touch panel monitor with RS-232 or USB interface Accessories: Power supply, VGA cable, RS-232 cable, USB cable, Mounting clamps and screws	√
TP-6150/NP	---	TP-6150 without Power supply	
uPAC-5001D-CAN2	MiniOS7	Programmable Automation controller with two series communication port (RS-232/RS-485), two CAN port, one Ethernet port, 7-segment Display, 5 programmable LEDs, 512 KB flash ,512 KB SRAM, developing tool kit, Minios7.	√
USB-2560/S	---	4-Port Industrial USB 2.0 Hub (RoHS) with GPSU06U-6 (Power Supply)	
USB-2560	---	4-Port Industrial USB 2.0 Hub (RoHS) with GPSU06U-6 (Power Supply)	√