



## FCC 47 CFR PART 15 SUBPART B

Product Type : ICP DAS I-7 Series I/O 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-7520A  
Test Specification : FCC 47 CFR PART 15 SUBPART B: Oct., 2012  
ANSI C63.4: 2009  
CISPR 22: 2008  
Receive Date : Jan. 29, 2014  
Test Period : Feb. 05, 2014  
Issue Date : Feb. 17, 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	Feb. 13, 2014	Initial Issue	
01	Feb. 17, 2014	Revised report information.	Nina.Lin

## Verification of Compliance

Issued Date: 2014/02/17

Product Type : ICP DAS I-7 Series I/O 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-7520A  
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., 2012  
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 : Cran Yang Reviewed By : Frank Lin  
(Manager) (Cran Yang) (Testing Engineer) (Frank Lin)

**Feature of Equipment under Test :**

The model listed below is series model to I-7520A.

Main	Software	Diversity	Mode 1
I-7520	---	Isolated RS-232 to RS-485 Converter	
I-7520A	---	Isolated RS-232 to RS-422/485 Converter	V
I-7520R	---	RS-232 to Isolated RS-485 Converter	
I-7520AR	---	RS-232 to Isolated RS-422/485 Converter	V
I-7510	---	Isolated RS-485 Repeater	
I-7510A	---	Isolated RS-422/485 Repeater/Converter	V
I-7510AR	---	Three Way Isolated RS-422/485 Repeater/Converter	V
I-7561	---	USB to Isolated RS-485 Converter	V
I-7513	---	Three Way Isolated RS-485 Active Star Wiring Hub	V
I-7514U	---	Isolated 4 Channels RS-485 Repeater/Hub/Splitter	V
I-7018	---	8-channel Analog Input Module	V
I-7017	---	8-channel Analog Input Module with DCON Protocol	
M-7017	---	8-channel Analog Input Module with DCON and Modbus RTU Protocols	V
I-7017F	---	8-channel Analog Input Module with DCON Protocol (Fast Sampling Version)	
TPD-280	---	2.8" Touch HMI device with RS-485	V
TPD-283	---	2.8" Touch HMI device with Ethernet (PoE)	V
TPD-283-BK	---	2.8" Touch HMI device with Ethernet	
M-7055	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module	
M-7055D	---	M-7055 with LED Display	V
I-7055	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with DCON Protocol	
I-7055D	---	I-7055 with LED Display	
M-7055-NPN	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with DCON and Modbus Protocols	V
M-7055D-NPN	---	M-7055-NPN with LED Display	
I-7055-NPN	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with DCON and Modbus Protocols	
I-7055D-NPN	---	I-7055-NPN with LED Display	
I-7051	---	16-channel Isolated Digital Input Module with DCON Protocol	
I-7051D	---	I-7051 with LED Display	V
M-7051	---	16-channel Isolated Digital Input Module with DCON and Modbus Protocols	
M-7051D	---	M-7051 with LED Display	

Main	Software	Diversity	Mode 1
I-7551	---	Isolated RS-232 to RS-232 Converter	V
I-7045	---	16-channel Isolated Digital Output Module with DCON Protocol	
I-7045D	---	I-7045 with LED Display	V
M-7045	---	16-channel Isolated Digital Output Module with DCON and Modbus Protocols	
M-7045D	---	M-7045-G with LED Display	
I-7045-NPN	---	16-channel Isolated Digital Output Module with DCON Protocol	
I-7045D-NPN	---	I-7045-NPN-G with LED Display	V
M-7045-NPN	---	16-channel Isolated Digital Output Module with DCON and Modbus Protocols	
M-7045D-NPN	---	M-7045-NPN-G with LED Display	
I-7052	---	8-channel Isolated Digital Input Module with 16-bit Counters	
I-7052D	---	I-7052D with LED Display	V
M-7052	---	8-channel Isolated Digital Input Module with DCON and Modbus Protocols	
M-7052D	---	M-7052 with LED Display	
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-G with LED Display	
I-7017C	---	8-channel Current Input Module using the DCON Protocol	V
M-7017C	---	8-channel Current Input Module using the DCON and Modbus Protocol	
I-7017FC	---	8-channel Current Input Module using the DCON Protocol (fast sampling version)	
I-7017RC	---	8-channel Analog Input Module using the DCON Protocol with High Voltage Protection	V
M-7017RC	---	8-channel Analog Input Module using the DCON and Modbus RTU Protocol with High Voltage Protection	
I-7067	---	7-channel Relay Output Module	
I-7067D	---	I-7067D with LED Display	V
I-7043	---	16-channel Non-isolated Digital Output Module using the DCON Protocol	
I-7043D	---	I-7043 with LED Display	V
I-7024	---	4-channel Analog Output Module with DCON Protocol	
I-7024R	---	4-channel Analog Output and 5-channel DI Module with DCON Protocol	V

Main	Software	Diversity	Mode 1
M-7024	---	4-channel Analog Output Module with DCON and Modbus Protocol	
M-7024R	---	4-channel Analog Output and 5-channel DI Module with DCON and Modbus Protocol	
M-7005	---	8-channel Thermistor Input and 6 channel Alarm Output Module	V
I-7018R	---	8-channel Analog Input Module with High Voltage Protection	V
I-7017R	---	8-channel Analog Input Module using the DCON Protocol	V
M-7017R	---	8-channel Analog Input Module using the DCON and Modbus RTU Protocol	
I-7017R-A5	---	8-channel Analog Input Module using the DCON Protocol	
M-7017R-A5	---	8-channel Analog Input Module using the DCON and Modbus RTU Protocol	
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	
I-2533CS-A	---	CAN to Single Mode Fiber Bridge ; 1 (15 Km) single mode, SC connector, TX 1310 nm, RX 1550 nm	V
I-2533CS-B	---	CAN to Single Mode Fiber Bridge ; 1 (15 Km) single mode, SC connector, TX 1550 nm, RX 1310 nm	V
NS-105PSE-24V	---	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch; +24 VDC Input	
NS-205PSE-24V	---	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch; +24 VDC Input	V
NSM-205PSE-24V	---	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch with Metal Casing; +24 VDC Input	
tDS-712	---	Tiny Device Server with PoE and 1 RS-232 Port	V
tGW-712	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 1 RS-232 Port	
tDS-722	---	Tiny Device Server with PoE and 2 RS-232 Ports	
tDS-732	---	Tiny Device Server with PoE and 3 RS-232 Ports	V
tGW-722	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 2 RS-232 Ports	
tGW-732	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 3 RS-232 Ports	
tDS-715	---	Tiny Device Server with PoE and 1 RS-422/485 Port	
tDS-718	---	Tiny Device Server with PoE and 1 RS-232/422/485 Port	V
tGW-718	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 1 RS-232/422/485 Port	
tGW-715	---	Tiny Modbus/TCP to RTU/ASCII gateway with PoE and 1 RS-422/485	
GW-7472	---	Tiny EtherNet/IP to Modbus RTU/TCP gateway with PoE and 1 RS-422/485	

Main	Software	Diversity	Mode 1
NS-200PS	---	Industrial PoE Splitter	V
ET-7065	---	Ethernet I/O Module with 6-ch PhotoMOS Relay, 6-ch DI	V
PPDS-743-MTCP	---	Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port (RoHS) Includes One CA-0910 Cable	
PPDSM-743-MTCP	---	PPDS-743-MTCP CR with Metal Case	
PPDS-743D-MTCP	---	Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports, 1 RS-485 port and an LED Display (RoHS) Includes One CA-0910 Cable	V
PPDSM-743D-MTCP	---	PPDS-743D-MTCP CR with Metal Case	
I-7188E3	---	I-7188E3D without LED display	
I-7188E3D	---	Internet communication controller with one RS-232, one RS-485 ,one RS-422/RS-485 ,DI/O and one Ethernet	V
I-7188E2	---	Internet communication controller with one RS-232, one RS-485 and one Ethernet	V
I-7188E2-MTCP	---	I-7188E2D with default Modbus/TCP firmware	
I-7188E2D	---	I-7188E2D without LED display	
X110	---	14-channel D/I	V



Devices Description				
Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Monitor	DELL	U2711	CN0H530T7426105K04 3L Non-Shielded, 1.8m
(2)	Keyboard	HP	SK-2880	BC3520FJ6X5310 Power by PC
(3)	Mouse	DELL	MOC5UO	HOX06NVO Power by PC
(4)	PC	ICP DAS	VB-115H	N/A Non-Shielded, 1.7m
※ PC Keypart information				
Main	Software	Diversity		Mode 1
(4)-1	VXC-144U	---	Universal PCI, Serial Communication Board with 4 RS-422/485 ports (RoHS). Includes One CA-4002 Connector V	
(4)-2	PISO-725	---	8-channel Relay Output & 8-channel Isolated Digital Input Board Includes one CA-4002 D-Sub connector. V	
(4)-3	PCI-TMC12A	---	12-channel Timer/Counter Board Includes one CA-4002 D-Sub connector. V	
(4)-4	DIO-144	---	144-channel Digital I/O Board V	
(4)-5	DIO-96	---	96-channel Digital I/O Board	

Support Unit				
Product	Manufacturer	Model Number	Serial Number	Power Cord
1.	Industrial Power Supply	ICP DAS	DP-1200	N/A Power by EUT

**3.4. Test Site Environment**

Items	Test Item	Required (IEC 60068-1)	Actual
Temperature (°C)	FCC part 15: 15.107 Conducted Emission	15-35	26
Humidity (%RH)		25-75	60
Barometric pressure (mbar)		860-1060	950
Temperature (°C)	FCC part 15: 15.109 Radiated Emission	15-35	26
Humidity (%RH)		25-75	60
Barometric pressure (mbar)		860-1060	950