FC

FCC 47 CFR PART 15 SUBPART B

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	:	ET-7019Z
Test Specification	:	FCC 47 CFR PART 15 SUBPART B: Oct., 2010 ANSI C63.4: 2009 CISPR 22: 1997
Receive Date	:	Feb. 01, 2012
Issue Date	:	Jul. 19, 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

ilac-MRA   TAF
            Testing Laboratory
            1330

Taiwan Accreditation Foundation accreditation number: 1330

Verification of Compliance

Issued Date: 2012/07/19

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	:	ET-7019Z
EUT Rated Voltage	:	AC 100-250V, 50-60Hz, 2.0A
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART B: Oct., 2010
		ANSI C63.4: 2009
		CISPR 22: 1997
Test Result	:	Complied
Performing Lab.	:	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
		http://www.atl-lab.com.tw/e-index.htm
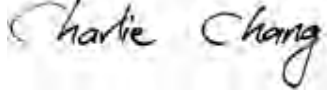
The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By : _(signature)_   Reviewed By : _(signature)_

(Manager)   (Murphy Wang)   (Testing Engineer)   (Charlie Chang)

Feature of Equipment under Test：

The model listed below is series model to ET-7019Z.

Main	Software	Diversity	Mode 1
I-7019R	---	8-channel universal Analog Input Module with High voltage Protection	
M-7019R	---	8-channel universal Analog Input Module with High voltage Protection	
M-7019Z	---	10-channel Universal Analog Input Module	
M-7019Z-G/S	---	10-channel Universal Analog Input Module Includes the M-7019Z module and a DB-1820 Daughter Boar	
M-7019Z-G/S2	---	10-channel Universal Analog Input Module Includes the M-7019Z module, a DN-1822 Daughter Board and a 1.8 m Cable	
ET-7019Z	---	10-channel Thermocouple Input Module	
ET-7019Z/S	---	10-channel Thermocouple Input Module with DB-1820 Daughter Board	
ET-7019Z/S2	---	10-channel Thermocouple Input Module with DN-1822 Daughter Board and a 1.8 m Cable	
PET-7019Z	---	10-channel Thermocouple Input Module with PoE	
PET-7019Z/S	---	10-channel Thermocouple Input Module with DB-1820 Daughter Board and PoE	
PET-7019Z/S2	---	10-channel Thermocouple Input Module with DN-1822 Daughter Board ,1.8 m Cable and PoE	V
I-7018	---	8-channel Analog Input Module	
I-7018P	---	8-channel Analog Input Module	
I-7018R	---	8-channel Analog Input Module	
I-7018BL	---	8-channel Analog Input Module	
M-7018	---	8-channel Analog Input Module	
M-7018R	---	8-channel Analog Input Module	
M-7018Z/S	---	10-channel Thermocouple Input Module include M-7018Z module and DB-1820 daughter board	
M-7018Z/S2	---	10-channel Thermocouple Input Module with High Voltage Protection include M-7018Z module, DN-1822 daughter board and 1.8m cable	
ET-7018Z/S	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output Module Include ET-7018Z Module and DB-1820 Daughter Board	
ET-7018Z/S2	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output Module Include ET-7018Z Module, DN-1822 Daughter Board and 1.8 m Cable	
PET-7018Z/S	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output PoE Module Include PET-7018Z Module and DB-1820 Daughter Board	
PET-7018Z/S2	---	10-channel Thermocouple Input with High Voltage Protection and 6-channel Isolated Digital Output PoE Module Include PET-7018Z Module, DN-1822 Daughter Board and 1.8 m Cable	V
M-2017	---	8/16-channel Isolated Analog Input Module With High Voltage Protection	V
M-7002	---	4-channel AI, 5-channel DI and 4-channels Relay Output Module with DCON and Modbus Protocol	V
ET-7002	---	3-channel analog inputs, 6-channel digital inputs and 3-channel Relay outputs module	V
PET-7002	---	3-channel analog inputs, 6-channel digital inputs and 3-channel Relay outputs module PoE Module	

Main	Software	Diversity	Mode 1
I-7033	---	3-channel RTD Input Module	
I-7033D	---	3-channel RTD Input Module with LED display	
M-7033	---	3-channel RTD Input Module	
M-7033D	---	3-channel RTD Input Module with LED display	
I-7015	---	6-channel RTD Input Module	
I-7015P	---	6-channel RTD Input Module with 3-wire RTD lead resistance elimination	V
M-7015	---	6-channel RTD Input Module	
M-7015P	---	6-channel RTD Input Module with 3-wire RTD lead resistance elimination	
I-7016	---	2-channel Strain Gauge Input Module	
I-7016D	---	2-channel Strain Gauge Input Module with LED Display	
I-7016P	---	One-channel Strain Gauge Input Module	
I-7016PD	---	One-channel Strain Gauge Input Module with LED Display	
M-7016	---	Strain Gauge Input Module	
M-7016D	---	Strain Gauge Input Module with LED display	
ET-7016	---	2-channel strain gauge, 2-channel digital input and 2-channel digital Output module	
PET-7016	---	2-channel strain gauge, 2-channel digital input and 2-channel digital Output PoE module	V
I-7017	---	8-channel Analog Input Module	
I-7017F	---	8-channel Analog Input Module (Fast sampling version)	
I-7017FC	---	8-channel Current Input Module (fast sampling version)	
I-7017R	---	8-channel Analog Input Module with High Voltage Protection	
I-7017R-A5	---	8-channel High Voltage Input Module	
I-7017RC	---	8-channel Current Input Module with High Common Voltage Protection	
I-7017Z	---	10/20-channel Analog Input Module with High Voltage Protection	
M-7017	---	8-channel Analog Input Module	
M-7017R	---	8-channel Analog Input Module with High Voltage Protection	
M-7017R-A5	---	8-channel High Voltage Input Module	
M-7017RC	---	8-channel Current Input Module with High Common Voltage Protection	
M-7017Z	---	10/20-channel Analog Input Module with High Voltage Protection	
ET-7017	---	8-channel Analog Input with High Voltage Protection and 4-channel Isolated Digital Output Module	
PET-7017	---	8-channel Analog Input with High Voltage Protection and 4-channel Isolated Digital Output PoE Module	
ET-7017-10	---	10/20-channel Analog Input Module with High Voltage Protection Module	

Main	Software	Diversity	Mode 1
PET-7017-10	---	10/20-channel Analog Input Module with High Voltage Protection PoE Module	V
I-7021	---	One-channel 12-bit Analog Output Module	
I-7021P	---	One-channel 16-bit Analog Output Module	V
I-7041	---	14-channel Isolated Digital Input Module with 16-bit Counters	
I-7041D	---	14-channel Isolated Digital Input Module with 16-bit Counters and LED Display	
I-7044	---	4-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
I-7044D	---	4-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters and LED Display	V
I-7052	---	8-channel Isolated Digital Input Module with 16-bit Counters	
I-7052D	---	8-channel Isolated Digital Input Module with 16-bit Counters and LED Display	V
M-7052	---	8-channel Isolated Digital Input Module with 16-bit Counters	
M-7052D	---	8-channel Isolated Digital Input Module with 16-bit Counters and LED Display	
I-7055	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
I-7055D	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters and LED Display	
I-7055-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module	
I-7055D-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module with LED Display	V
M-7055	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters	
M-7055D	---	8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module with 16-bit Counters and LED Display	
M-7055-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module	
M-7055D-NPN	---	8-channel Isolated Digital Input and 8-channel Sink Type Isolated Digital Output Module and LED Display	
I-7060	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters	
I-7060D	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters and LED Display	
M-7060	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters	
M-7060D	---	4-channel Isolated Digital Input and 4-channel Relay Output Module with 16-bit Counters and LED Display	
M-7060P	---	4-channel Isolated DI and 4-channel Relay Output Module	
M-7060PD	---	4-channel Isolated DI and 4-channel Relay Output Module with LED Display	V
I-7065	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters	
I-7065D	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters and LED Display	
I-7065A	---	4-channel Isolated Digital Input and 5-channel AC SSR Output Module with 16-bit Counters	
I-7065AD	---	4-channel Isolated Digital Input and 5-channel AC SSR Output Module with 16-bit Counters and LED Display	

Main	Software	Diversity	Mode 1
I-7065B	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters	
I-7065BD	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters and LED Display	V
M-7065	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters	
M-7065D	---	4-channel Isolated Digital Input and 5-channel Relay Output Module with 16-bit Counters and LED Display	
M-7065B	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters	
M-7065BD	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters and LED Display	
I-7188EX-MTCP	---	Modbus/TCP Embedded Controller	
I-7188EXD-MTCP	---	Modbus/TCP Embedded Controller with LED Display	V
I-7188E1	---	Ethernet to RS-232 converter	
I-7188E1D	---	Ethernet to RS-232 converter with LED Display	
I-7188E2	---	Internet communication controller with one RS-232, one RS-485 and one Ethernet	
I-7188E2D	---	Internet communication controller with one RS-232, one RS-485 ,one Ethernet and LED display	
I-7188E2-MTCP	---	Internet communication controller with one RS-232, one RS-485 ,one Ethernet and default Modbus/TCP firmware	
I-7188E2D-MTCP	---	Internet communication controller with one RS-232, one RS-485 ,one Ethernet default Modbus/TCP firmware and LED Display	
I-7188E3	---	Internet communication controller with one RS-232, one RS-485 ,one RS-422/RS-485 ,DI/O and one Ethernet	
I-7188E3D	---	Internet communication controller with one RS-232, one RS-485 ,one RS-422/RS-485 ,DI/O ,one Ethernet and LED display	
I-7188E3-232	---	Internet communication controller with two RS-232, one RS-485 and one Ethernet	
I-7188E3D-232	---	Internet communication controller with two RS-232, one RS-485 ,one Ethernet and LED display	
I-7188E4	---	Internet communication controller with three RS-232, one RS-485 and one Ethernet	
I-7188E4D	---	Internet communication controller with three RS-232, one RS-485 ,one Ethernet and LED display	
I-7188E5	---	Internet communication controller with four RS-232, one RS-485 and one Ethernet	
I-7188E5D	---	Internet communication controller with four RS-232, one RS-485 ,one Ethernet and LED Display	
I-7188E5-485	---	Internet Communication Controller	
I-7188E5D-485	---	Internet Communication Controller with seven-segment display	V
I-7510	---	Isolated RS-485 Repeater	
I-7510A	---	Isolated RS-422/485 Repeater/Converter	
I-7510AR	---	Three Way Isolated RS-422/485 Repeater/Converter	V
I-7520	---	Isolated RS-232 to RS-485 Converter	
I-7520A	---	Isolated RS-232 to RS-422/485 Converter	

Main	Software	Diversity	Mode 1
I-7520R	---	RS-232 to Isolated RS-485 Converter	
I-7520AR	---	RS-232 to Isolated RS-422/485 Converter	V
I-7522A	---	Embedded communication controller with one RS-485, one RS-422 and one RS-232	
I-7522AD	---	Embedded communication controller with one RS-485, one RS-422 and one RS-232 with LED Display	V
I-7530	---	Intelligent RS-232 to CAN converter	
I-7530A-G	---	Intelligent RS-232/485/422 to CAN converter	
I-7530A-MR	---	Modbus RTU to CAN converter	V
I-7530-FT	---	Intelligent RS-232/CAN low speed fault tolerant converter	
I-7540D-G	---	CAN to Ethernet Gateway	V
I-7561	---	USB to Isolated RS-232/422/485 Converter	V
I-7563	---	USB to Isolated RS-485 Active Star Wiring Converter	
uPAC-7186EX-FD-G	---	Programmable Automation Controller	
uPAC-7186EXD-FD-G	---	Programmable Automation Controller with LED Display	V
NS-205	---	Unmanaged 5-Port Industrial Ethernet Switch	
NS-205G	---	Unmanaged 5-Port Industrial 10/100/1000 Base-T Ethernet Switch	V
MSM-508	---	8-Port Layer 2 Managed Switch	
MSM-508FC-T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, Multi Mode, SC Type	
MSM-508FT-T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, Multi Mode, ST Type	
MSM-508FCS-T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, Single Mode, SC Type	
MSM-508FCS-40T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, (40 km)Single Mode, SC Type	V
MSM-508FCS-60T	---	8-Port Layer 2 Managed Switch with 2-Fiber Port, (60 km)Single Mode, SC Type	
ET-6060D	---	8-channel Digital Output and 10-channel Digital Input	V
SG-3011	---	Isolated Thermocouple Input Module	
SG-3013	---	Isolated RTD Input Module	
SG-3016	---	Isolated Strain Gauge Input Module	
SG-3071	---	Isolated DC Voltage Input/Output Module	
SG-3081	---	Isolated DC Current Input/Output Module	V
PW-3090-5S	---	Output Power Voltage +5V @ 2000mA	
PW-3090-5D	---	Output Power Voltage ±5V @ 1000mA	
PW-3090-12S	---	Output Power Voltage +12V @ 800mA	
PW-3090-15D	---	Output Power Voltage ±15V @ 300mA	
PW-3090-24S	---	Output Power Voltage +24V @ 400mA	V

Main	Software	Diversity	Mode 1
GPS-721	---	GPS Receiver and 1 DO, 1 PPS Output Module	V
GST-43-M	---	Seismic Switch with Metal casing	V
tM-R5	---	5-channel Relay Output Module	V
tM-AD5	---	5-channel Isolation Analog Input Module with High Voltage Protection	
tM-AD5C	---	5-channel Isolation Current Input Module	
tM-AD8	---	8-channel Isolated Analog Input Module with High Voltage Protection	
tM-AD8C	---	8-channel Isolation Current Input Module	V
USB-2019	---	8-channel Universal Analog Input Module with High Voltage Protection , include CN-1824	V
FR-2024iT	---	4-channel Isolated Analog Output Module	V
ZB-2026-T	---	Wireless 4-ch Voltage Input, 2-ch Voltage Output, 2-ch Digital Input and 2-ch Digital Output Module	V
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 Include WISE-7118Z Module, DN-1822 Daughter Board and 1.8 m Cable	
tM-SG4	---	RS-485 Pull-high/Pull-low and Termination Resistor Module	V
M2M-710D	---	Remote Maintenance with serial streaming Solution	V