



EMC Test Report

Product Type : Smart Meter
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 : PM-31zz-xxx-yyyy / PM-31zz-xxxP-yyyy / PM-31zzP-yyyy
(zz can be 33 or 12 or 14 ; xxx can be 100 , 160, 240, or 360 ; yyyy can
be -CAN,-CPS,-MTCP or blank)
Test Specification : EN 55022: 2010 +AC:2011 / Class A
EN 55024: 2010
EN 61000-3-2: 2006 +A1:2009 + A2: 2009
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 : Aug. 28, 2014
Test Period : Sep. 01 ~ 23, 2014
Issue Date : Sep. 29, 2014

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: 09/29/2014

Product Type : Smart Meter
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Trade Name : ICP DAS
Model Number : PM-31zz-xxx-yyyy / PM-31zz-xxxP-yyyy / PM-31zzP-yyyy
(zz can be 33 or 12 or 14 ; xxx can be 100 , 160, 240, or 360 ;
yyyy can be -CAN,-CPS,-MTCP or blank)

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
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.
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 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 :  Reviewed By : _____
(Manager) (Roy Chen) (Testing Engineer) (Frank Lin)

2 EUT Description

Product Type	:	Smart Meter
Trade Name	:	ICP DAS
Model Number	:	PM-31zz-xxx-yyyy / PM-31zz-xxxP-yyyy / PM-31zzP-yyyy (zz can be 33 or 12 or 14 ; xxx can be 100 , 160, 240, or 360 ; yyyy can be -CAN,-CPS,-MTCP or blank) (*Those model numbers differ from each other in selling region.)
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). LAN Port	1	Connected to PC
2). D-SUB Port	1	Connected to PC
3). USB Port	1	Connected to PC
4). AC Power Port	1	Connected to AC input
5). DC Power Port	1	Connected to EUT
6). Signal Port	1	Connected to EUT

Feature of Equipment under Test :

The model listed below is series model to PM-3133-100.

Main	Software	Diversity	Mode 1
ET-7261	---	Ethernet I/O Module with 2-port Ethernet Switch, with 11-channels Relay	V
PET-7261	---	PoE Ethernet I/O Module with 2-port Ethernet Switch, with 11-channels Relay	
ET-6052D	---	8-channel Digital Output and 14-channel Digital Input	V
ET-6060D	---	8-channel Digital Output and 10-channel Digital Input	V
ET2-6064D	---	24-channel Relay Output	V
GPS-721	---	GPS Receiver and 1 DO, 1 PPS Output Module	
GPS-721-MRTU	---	GPS Receiver and 1 DO, 1 PPS Output Module includes a GPS Active External Antenna (ANT-115-03)	V
I-7014D	---	1-channel Transmitter Input with 7-segment LED Display using the DCON and Modbus Protocols	V
I-7014D-X	---	1-channel Transmitter Input with 7-segment LED Display using the DCON and Modbus Protocols (X : The Cover is mean any color)	
M-7014D	---	M-7014D with 7-segment LED Display	
M-7014D-X	---	M-7014D with 7-segment LED Display (X : The Cover is mean any color)	
I-7522	---	Embedded communication controller with one RS-485 and two RS-232	
I-7522D	---	I-7522 + 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	---	I-7520U4-G CR with CA-0915 cable x 1	
I-7520U4-CA-X	---	I-7520U4-G CR with CA-0915 cable x 1 (X : The Cover is mean any color)	
I-7065A	---	4-channel Isolated Digital Input and 5-channel AC SSR Output Module using the DCON Protocol	
I-7065AD	---	I-7065A with LED Display	V
I-7066	---	7-channel Photo-Mos Relay Output Module with DCON Protocol	
I-7066-X	---	7-channel Photo-Mos Relay Output Module with DCON Protocol (X : The Cover is mean any color)	
I-7066D	---	I-7066 with LED Display	V
I-7066D-X	---	I-7066 with LED Display (X : The Cover is mean any color)	
M-7066P	---	7-channel Photo-Mos Relay Output Module with DCON and Modbus Protocols	
M-7066P-X	---	7-channel Photo-Mos Relay Output Module with DCON and Modbus Protocols (X : The Cover is mean any color)	
M-7066PD	---	M-7066P with LED Display	
M-7066PD-X	---	M-7066P with LED Display (X : The Cover is mean any color)	
I-7083	---	3-axis, 32 bits encoder counter	
M-7083	---	3-axis, 32 bits encoder counter with DCON and Modbus Protocols	
I-7083D	---	3-axis, 32 bits encoder counter with LED Display	V

Main	Software	Diversity	Mode 1
M-7083D	---	M-7083D with LED Display	
I-7083B	---	3-axis, 32 bits encoder counter	
I-7083BD	---	3-axis, 32 bits encoder counter with LED Display	V
I-7011	---	1-channel Thermocouple Input Module using the DCON Protocol	
I-7011-X	---	1-channel Thermocouple Input Module using the DCON Protocol (X : The Cover is mean any color)	
I-7011D	---	I-7011 with with 7-segment LED Display	
I-7011D-X	---	I-7011 with with 7-segment LED Display (X : The Cover is mean any color)	
I-7011P	---	1-channel Thermocouple Input Module using the DCON Protocol	
I-7011P-X	---	1-channel Thermocouple Input Module using the DCON Protocol (X : The Cover is mean any color)	
I-7011PD	---	I-7011P with 7-segment LED Display	
I-7011PD-X	---	I-7011P with 7-segment LED Display (X : The Cover is mean any color)	
M-7011	---	1-channel Thermocouple Input Module using the DCON and Modbus Protocols	
M-7011-X	---	1-channel Thermocouple Input Module using the DCON and Modbus Protocols (X : The Cover is mean any color)	
M-7011D	---	M-7011 with 7-segment LED Display	V
M-7011D-X	---	M-7011 with 7-segment LED Display (X : The Cover is mean any color)	
M-7019Z	---	10-channel Universal Analog Input Module	V
M-7019Z-X	---	10-channel Universal Analog Input Module (X : The Cover is mean any color)	
M-7019Z-G/S	---	10-channel Universal Analog Input Module Includes the M-7019Z module and a DB-1820 Daughter Board	
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	
M-7026	---	6-channel Analog Input, 2-channel Analog Output, 3-channel Digital Input and 3-channel Digital Output Module using the DCON and Modbus Protocol	V
I-7041P	---	14-channel Isolated Digital Input Module with DCON Protocol	
I-7041P-X	---	14-channel Isolated Digital Input Module with DCON Protocol (X : The Cover is mean any color)	
I-7041PD	---	I-7041P with LED Display	
I-7041PD-X	---	I-7041P with LED Display (X : The Cover is mean any color)	
M-7041P	---	14-channel Isolated Digital Input Module with DCON and Modbus Protocol	
M-7041P-X	---	14-channel Isolated Digital Input Module with DCON and Modbus Protocol (X : The Cover is mean any color)	
M-7041PD	---	M-7041P with LED Display	V
M-7041PD-X	---	M-7041P with LED Display (X : The Cover is mean any color)	
M-7041-A5	---	14-channel High Voltage Isolated Digital Input Module with DCON and Modbus Protocol	

Main	Software	Diversity	Mode 1
M-7041-A5-X	---	14-channel High Voltage Isolated Digital Input Module with DCON and Modbus Protocol (X : The Cover is mean any color)	
M-7041D-A5	---	M-7041-A5 with LED Display	V
M-7041D-A5-X	---	M-7041-A5 with LED Display (X : The Cover is mean any color)	
I-7058	---	8-channel Isolated Digital Input Module using the DCON Protocol	
I-7058D	---	I-7058 with LED Display	
I-7058D-X	---	I-7058 with LED Display (X : The Cover is mean any color)	
M-7058	---	8-channel Isolated Digital Input Module using the DCON and Modbus Protocols	
M-7058D	---	M-7058 with LED Display	V
M-7058D-X	---	M-7058 with LED Display (X : The Cover is mean any color)	
I-7059	---	8-channel Isolated Digital Input Module using the DCON Protocol	
I-7059-X	---	8-channel Isolated Digital Input Module using the DCON Protocol (X : The Cover is mean any color)	
I-7059D	---	I-7059 with LED Display	
I-7059D-X	---	I-7059 with LED Display (X : The Cover is mean any color)	
M-7059	---	8-channel Isolated Digital Input Module using the DCON and Modbus Protocols	
M-7059-X	---	8-channel Isolated Digital Input Module using the DCON and Modbus Protocols (X : The Cover is mean any color)	
M-7059D	---	M-7059 with LED Display	V
M-7059D-X	---	M-7059 with LED Display (X : The Cover is mean any color)	
M-7060P	---	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON and Modbus Protocols	
M-7060P-X	---	4-channel Isolated Digital Input and 4-channel Relay Output Module using the DCON and Modbus Protocols (X : The Cover is mean any color)	
M-7060PD	---	M-7060P-G with LED Display	V
M-7060PD-X	---	M-7060P-G with LED Display (X : The Cover is mean any color)	
I-7065B	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters	
I-7065B-X	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters (X : The Cover is mean any color)	
I-7065BD	---	I-7065BD with LED Display	
I-7065BD-X	---	I-7065BD with LED Display (X : The Cover is mean any color)	
M-7065B	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters	
M-7065B-X	---	4-channel Isolated Digital Input and 5-channel DC SSR Output Module with 16-bit Counters (X : The Cover is mean any color)	
M-7065BD	---	M-7065BD with LED Display	V

Main	Software	Diversity	Mode 1
M-7065BD-X	---	M-7065BD with LED Display (X : The Cover is mean any color)	
I-7067	---	7-channel Signal Relay Output Module with DCON Protocol	
I-7067-X	---	7-channel Signal Relay Output Module with DCON Protocol (X : The Cover is mean any color)	
M-7067	---	7-channel Signal Relay Output Module with DCON and Modbus Protocols	
M-7067-X	---	7-channel Signal Relay Output Module with DCON and Modbus Protocols (X : The Cover is mean any color)	
I-7067D	---	I-7067 with LED Display	
I-7067D-X	---	I-7067 with LED Display (X : The Cover is mean any color)	
M-7067D	---	M-7067 with LED Display	V
M-7067D-X	---	M-7067 with LED Display (X : The Cover is mean any color)	
I-7088	---	8-channel PWM Output and 8-channel High-speed Counter Module using the DCON Protocol	
I-7088-X	---	8-channel PWM Output and 8-channel High-speed Counter Module using the DCON Protocol (X : The Cover is mean any color)	
I-7088D	---	I-7088 with 7-segment LED Display	
I-7088D-X	---	I-7088 with 7-segment LED Display (X : The Cover is mean any color)	
I-7088-G/S	---	I-7088 with DN-8P8C-CA External Board	
I-7088D-G/S	---	I-7088D with DN-8P8C-CA External Board	
M-7088	---	8-channel PWM Output and 8-channel High-speed Counter Module using the DCON and Modbus Protocols	
M-7088-X	---	8-channel PWM Output and 8-channel High-speed Counter Module using the DCON and Modbus Protocols (X : The Cover is mean any color)	
M-7088D	---	M-7088 with 7-segment LED Display	V
M-7088D-X	---	M-7088 with 7-segment LED Display (X : The Cover is mean any color)	
M-7088-G/S	---	M-7088 with DN-8P8C-CA External Board	
M-7088D-G/S	---	M-7088D with DN-8P8C-CA External Board	
DN-8P8C	---	8-channel Digital Output and 8-channel Counter Input Board, including two CA-090910-A Cable and two CA-3813 Connector Casing.	
DN-8P8C-CA	---	8-channel Digital Output and 8-channel Counter Input Board, including two CA-090910-A Cable and two CA-3813 Connector Casing.	
DN-8P8C/S	---	8-channel Digital Output and 8-channel Counter Input Board, including DB-8820 Daughterboard and a CA-2520D Cable.	
NS-209FCS	---	Single-mode 30 km, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch	V
NSM-209FCS	---	Single-mode 30 km, SC Connector, 8-port 10/100 Mbps with 1 fiber port Switch; metal case	
NS-200AFC-T	---	Industrial 10/100 Base-T to 100 Base-FX Media Converter; 1 multi mode, SC connector	V
NS-200AFT-T	---	Industrial 10/100 Base-T to 100 Base-FX Media Converter; 1 multi mode, ST connector	
NS-200WDM-A	---	10/100BaseT(X) to 100BaseFX Single-Strand Media Converter, TX 1310 nm, RX 1550 nm, SC	

Main	Software	Diversity	Mode 1
NS-200WDM-B	---	10/100BaseT(X) to 100BaseFX Single-Strand Media Converter, TX 1550 nm, RX 1310 nm, SC	
NS-200AFCS-T	---	Industrial 10/100 Base-T to 100 Base-FX Media Converter; 1 single mode, SC connector	
NS-200AFCS-60T	---	Industrial 10/100 Base-T to 100 Base-FX Media Converter; 1 (60 km) single mode, SC connector	V
PM-3112-xxx-yyyy	---	2 loops single-phase Power Meter (xxx can be 100 , 160, 240, or 360; yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3112-xxxP-yyyy	---	2 loops single-phase Power Meter with 333mV CT (xxx can be 100 , 160, 240, or 360; yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3112P-yyyy	---	2 loops single-phase Power Meter without CT (yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3112-100-MTCP	---	2 loops single-phase Power Meter	V
PM-3114-xxx-yyyy	---	4 loops single-phase Power Meter (xxx can be 100 , 160, 240, or 360; yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3114-xxxP-yyyy	---	4 loops single-phase Power Meter with 333mV CT (xxx can be 100 , 160, 240, or 360; yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3114P-yyyy	---	4 loops single-phase Power Meter without CT (yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3114-100-MTCP	---	4 loops single-phase Power Meter	V
PM-3133-xxx-yyyy	---	3 Phase Compact Smart Meter (xxx can be 100 , 160, 240, or 360; yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3133-xxxP-yyyy	---	3 Phase Compact Smart Meter with 333mV CT (xxx can be 100 , 160, 240, or 360; yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3133P-yyyy	---	3 Phase Compact Smart Meter with without CT (yyyy can be -CAN,-CPS,-MTCP or blank)	
PM-3133-100	---	3 Phase Compact Smart Meter	V
PETL-7060	---	Ethernet module with PoE, 6-ch isolated DI and 6-ch form-A power relay	V
PW-3090-5S-R	---	Output Power Voltage +5 V @ 2000 mA (max.) Accuracy : 2%	
PW-3090-5S	---	Output Power Voltage +5 V @ 2000 mA (max.) Accuracy : 2%	V
PW-3090-5D-R	---	Output Power Voltage 5 V @ 1000 mA (max.) Accuracy : 2%	
PW-3090-5D	---	Output Power Voltage 5 V @ 1000 mA (max.) Accuracy : 2%	V
PW-3090-12S-R	---	Output Power Voltage +12 V @ 800 mA (max.) Accuracy : 2%	
PW-3090-12S	---	Output Power Voltage +12 V @ 800 mA (max.) Accuracy : 2%	V
PW-3090-15D-R	---	Output Power Voltage 15 V @ 300 mA (max.) Accuracy : 2%	
PW-3090-15D	---	Output Power Voltage 15 V @ 300 mA (max.) Accuracy : 2%	V
PW-3090-24S-R	---	Output Power Voltage +24 V @ 400 mA (max.) Accuracy : 2%	
PW-3090-24S	---	Output Power Voltage +24 V @ 400 mA (max.) Accuracy : 2%	V
tET-P6	---	Tiny Ethernet module with 6-ch DI (Wet Contact)	
tET-PD6	---	Tiny Ethernet module with 6-ch DI (Dry Contact)	V
tPET-P6	---	Tiny Ethernet module with PoE, and 6-ch DI (Wet Contact)	
tPET-PD6	---	Tiny Ethernet module with PoE, and 6-ch DI (Dry Contact)	

Main	Software	Diversity	Mode 1
tET-P2POR2	---	Tiny Ethernet module with 2-ch DI (Wet Contact) and 2-ch Form-A PhotoMos relay	
tET-PD2POR2	---	Tiny Ethernet module with 2-ch DI (Dry Contact) and 2-ch Form-A PhotoMos relay	V
tET-P2R2	---	Tiny Ethernet module with 2-ch DI (Wet Contact) and 2-ch Form-A relay	
tET-PD2R1	---	Tiny Ethernet module 2-ch DI (Dry Contact) and 1-ch Form-A relay	
tPET-P2POR2	---	Tiny Ethernet module with PoE, 2-ch DI (Wet Contact) and 2-ch Form-A PhotoMos relay	
tPET-PD2POR2	---	Tiny Ethernet module with PoE, 2-ch DI (Dry Contact) and 2-ch Form-A PhotoMos relay	
tPET-P2R2	---	Tiny Ethernet module with PoE, 2-ch DI (Wet Contact) and 2-ch Form-A relay	
tPET-PD2R1	---	Tiny Ethernet module with PoE, 2-ch DI (Dry Contact) and 1-ch Form-A relay	
TP-3080	---	8.4" (800 x 600) resistive touch panel monitor with RS-232 or USB interface Accessories: Power supply, VGA cable, RS-232 cable, USB cable, Mounting clamps and screws	V
TP-3080/NP	---	TP-3080 without Power supply	
WP-5141	---	Standard WinPAC-5000	
WP-5141-EN	Windows CE 5.0	Standard WinPAC-5000 (English Version of OS)	
WP-5141-TC	Windows CE 5.0	Standard WinPAC-5000 (Traditional Version of OS)	
WP-5141-SC	Windows CE 5.0	Standard WinPAC-5000 (Simplified Version of OS)	
WP-5141-XW107	Windows CE 5.0	Standard WinPAC-5000 add XW107	V
WP-5146	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000	
WP-5146-EN	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 (English Version of OS)	
WP-5146-TC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 (Traditional Version of OS)	
WP-5146-SC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 (Simplified Version of OS)	
WP-5146-XW107	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 add XW107	
WP-5147	Windows CE 5.0	ISaGRAF based WinPAC-5000	
WP-5147-EN	Windows CE 5.0	ISaGRAF based WinPAC-5000 (English Version of OS)	
WP-5147-TC	Windows CE 5.0	ISaGRAF based WinPAC-5000 (Traditional Version of OS)	
WP-5147-SC	Windows CE 5.0	ISaGRAF based WinPAC-5000 (Simplified Version of OS)	
WP-5147-XW107	Windows CE 5.0	ISaGRAF based WinPAC-5000 add XW107	
WP-5149	Windows CE 5.0	InduSoft based WinPAC-5149	

Main	Software	Diversity	Mode 1
WP-5149-EN	Windows CE 5.0	InduSoft based WinPAC-5149 (English Version of OS)	
WP-5149-TC	Windows CE 5.0	InduSoft based WinPAC-5149 (Traditional Version of OS)	
WP-5149-SC	Windows CE 5.0	InduSoft based WinPAC-5149 (Simplified Version of OS)	
WP-5149-XW107	Windows CE 5.0	InduSoft based WinPAC-5149 add XW107	
LP-5131-EN	Linux kernel 2.6.19	PAC with Linux kernel 2.6.19 and one LAN port (English Version of OS)	
LP-5141-EN	Linux kernel 2.6.19	PAC with Linux kernel 2.6.19 and two LAN ports (English Version of OS)	
WP-5141-OD	Windows CE 5.0	Standard WinPAC-5000 with Audio	V
WP-5141-OD-EN	Windows CE 5.0	Standard WinPAC-5000 with Audio (English Version of OS)	
WP-5141-OD-TC	Windows CE 5.0	Standard WinPAC-5000 with Audio (Traditional Version of OS)	
WP-5141-OD-SC	Windows CE 5.0	Standard WinPAC-5000 with Audio (Simplified Version of OS)	
WP-5141-OD-XW107	Windows CE 5.0	Standard WinPAC-5000 with Audio add XW107	
WP-5146-OD	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 with Audio	
WP-5146-OD-EN	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 with Audio (English Version of OS)	
WP-5146-OD-TC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 with Audio (Traditional Version of OS)	
WP-5146-OD-SC	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 with Audio (Simplified Version of OS)	
WP-5146-OD-XW107	Windows CE 5.0	InduSoft and ISaGRAF based WinPAC-5000 with Audio add XW107	
WP-5147-OD	Windows CE 5.0	ISaGRAF based WinPAC-5000 with Audio	
WP-5147-OD-EN	Windows CE 5.0	ISaGRAF based WinPAC-5000 with Audio (English Version of OS)	
WP-5147-OD-TC	Windows CE 5.0	ISaGRAF based WinPAC-5000 with Audio (Traditional Version of OS)	
WP-5147-OD-SC	Windows CE 5.0	ISaGRAF based WinPAC-5000 with Audio (Simplified Version of OS)	
WP-5147-OD-XW107	Windows CE 5.0	ISaGRAF based WinPAC-5000 with Audio add XW107	
WP-5149-OD	Windows CE 5.0	InduSoft based WinPAC-5149 with Audio	
WP-5149-OD-EN	Windows CE 5.0	InduSoft based WinPAC-5149 with Audio (English Version of OS)	
WP-5149-OD-TC	Windows CE 5.0	InduSoft based WinPAC-5149 with Audio (Traditional Version of OS)	
WP-5149-OD-SC	Windows CE 5.0	InduSoft based WinPAC-5149 with Audio (Simplified Version of OS)	

Main	Software	Diversity	Mode 1
WP-5149-OD-XW107	Windows CE 5.0	InduSoft based WinPAC-5149 with Audio add XW107	
LP-5131-OD-EN	Linux kernel 2.6.19	PAC with Linux kernel 2.6.19 and one LAN port and Audio (English Version of OS)	
LP-5141-OD-EN	Linux kernel 2.6.19	PAC with Linux kernel 2.6.19 and two LAN ports and Audio (English Version of OS)	
XW107	---	8-channel Non-Isolation Digital Input and 8-channel Non-Isolation Digital Output	

Devices Description				
Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Keyboard	DELL	SK-8110	07N2443884232J7Q39 Power by PC
(2)	Mouse	DELL	MO71KC	511091717 Power by PC
(3)	PC	ICP DAS	VB-115H	N/A Non-Shielded, 1.7m
※ PC Keypart information				
Main	Software	Diversity		Mode 1
(3)-1	VXC-118U	---	Universal PCI, Serial Communication card with 8 RS-232 ports (RoHS) Includes one CA-PC62M D-Sub connector.	V
(3)-2	VXC-118U/D2	---	Universal PCI, Serial Communication card with 8 RS-232 ports (RoHS) Includes one CA-9-6210 cable.	
(3)-3	PIO-D24U	---	Universal PCI bus, 24-channel DIO board	
(3)-4	PIO-D56U	---	Universal PCI bus, 56-channel DIO board	V
(3)-5	PISO-813	---	PCI Bus, 32 channel isolated analog input board. (RoHS) Includes one CA-4002 D-Sub connector.	
(3)-6	PISO-813/S	---	PCI Bus, 32 channel isolated analog input board. (RoHS) Includes one DB-8325 screw terminal board.	
(3)-7	PISO-813U	---	Universal PCI, 32-channel isolated analog input board. (RoHS) Includes one CA-4002 D-Sub connector.	V
(3)-8	PISO-813U/S	---	Universal PCI, 32-channel isolated analog input board. (RoHS) Includes one DB-8325 screw terminal board.	
(3)-9	ISO-P32C32	---	32-channel isolated digital I/O board Includes one CA-4037W cable and two CA-4002 D-Sub connectors.	V
(3)-10	DIO-64/3	---	32-channel Digital Input & 32-channel Digital Output,3 Timer/Counter Board	
(3)-11	DIO-64/6	---	32-channel Digital Input & 32-channel Digital Output,6 Timer/Counter Board	V

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