

Verification of Compliance

Issued Date: 08/26/2013

| 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 | : | NS-205PFT |
| EUT Rated Voltage | : | 120 Vac / 60 Hz |
| Test Voltage | : | 120 Vac / 60 Hz |
| Applicable Standard | : | FCC 47 CFR PART 15 SUBPART B: Oct., 2012 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

: And and Reviewed By

: Frank Lin .

(Manager)

(Murphy Wang) (Testing Engineer)

(Frank Lin)



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1 General Information

1.1 Summary of Test Result

| Emission | | | | | | |
|--------------------------------------------|--------------------|--------|--------------------|--|--|--|
| Standard | Item | Result | Remark | | | |
| FCC 47 CFR PART 15 SUBPART B ANSI C63.4 | Conducted Emission | PASS | Meet Class A limit | | | |
| FCC 47 CFR PART 15 SUBPART B ANSI C63.4 | Radiated Emission | PASS | Meet Class A limit | | | |

The test results of this report relate only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

1.2 Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as \pm 2.24 dB.

Conducted Emissions (Telecommunication Ports)

The measurement uncertainty is evaluated as \pm 2.24 dB.

Radiated Emission

The measurement uncertainty of 30 MHz - 1GHz is evaluated as \pm 3.072dB.

The measurement uncertainty of 1GHz - 40GHz is evaluated as \pm 3.072dB.



2 EUT Description

| Product | ICP DAS with Converter |
|--------------|----------------------------------------------------------------------------------------|
| Trade Name | ICP DAS |
| Model Number | NS-205PFT |
| Applicant | ICP DAS CO., LTD. No. 111, Kuangfu N. Rd., Hukon Shiang, Hsinchu, Taiwan 303, R.O.C |
| Manufacturer | ICP DAS CO., LTD. No. 111, Kuangfu N. Rd., Hukon Shiang, Hsinchu, Taiwan 303, R.O.C |

I/O Port Description :

| I/O Port Types | Q'TY | Test Description |
|-------------------|------|-------------------------------------------------|
| 1). Fiber Port | 1 | Connected to Fiber Optics to Ethernet Converter |
| 2). Signal Port | 1 | Connected to PC |
| 3). AC Power Port | 1 | Connected to AC Input |



Feature of Equipment under Test :

The model listed below is series model to NS-205PFT.

| Main | Software | Diversity | Mode 1 | Remark |
|-------------------|------------------|---------------------------------------------------------------------------------------------------------------|--------|-----------------------------|
| X002 | | Prototype Board | V | |
| X509 | | 2-Port RS-232 add 4-CH D/I, 4-CH D/O | V | Combine with uPAC-7186EX |
| X561 | X561 Firmware | 64MB Flash with 3-port RS-232 | | |
| uPAC-7186EX | | Programmable Automation Controller | | |
| uPAC-7186EXD | MiniOS7 | Programmable Automation Controller with LED | V | |
| X107 | | 6-CH D/I & 7-CH D/O | V | Combine with uPAC-7186EG |
| uPAC-7186EG | | Ethernet ISaGRAF Palm-Size Programmable Automation Controller | | |
| uPAC-7186EGD | MiniOS7 | Ethernet ISaGRAF Palm-Size Programmable Automation Controller with | V | |
| NS-205PFT | | Multi-mode, ST Connector, 4-port 10/100 Mbps PoE(PSE) with 1 Fiber ports Switch | | |
| NS-205PFC | | Multi-mode, SC Connector, 4-port 10/100 Mbps PoE(PSE) with 1 Fiber ports Switch | | |
| NS-205PFCS | | Single-mode, 30 km, SC Connector, 4-port 10/100 Mbps PoE(PSE) with 1 Fiber ports Switch | | |
| NS-205PFCS-60 | | Single-mode, 60 km, SC Connector, 4-port 10/100 Mbps PoE(PSE) with 1 Fiber ports Switch | | |
| NS-205PFT-24V | | Multi-mode, ST Connector, 4-port 10/100 Mbps PoE(PSE) with 1 Fiber ports and 24 VDC Input Switch | V | |
| NS-205PFC-24V | | Multi-mode, SC Connector, 4-port 10/100 Mbps PoE(PSE) with 1 Fiber ports and 24 VDC Input Switch | | |
| NS-205PFCS-24V | | Single-mode 30 km, SC Connector, 4-port 10/100 Mbps PoE (PSE) with 1 Fiber port and 24 VDC Input Switch | | |
| NS-205PFCS-60-24V | | Single-mode 60 km, SC Connector, 4-port 10/100 Mbps PoE (PSE) with 1 Fiber port and 24 VDC Input Switch | | |
| NS-206AFT-T | | Multi-mode, ST Connector, 4-port 10/100 Mbps with 2 Fiber ports Switch | V | |
| 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 | | |
| tM-TH8 | | 8-channel Isolation Thermidtor Input Module | | |
| I-87053W-A2 | | 16-channel 19-50 VDC Isolated Digital Input Module with 16-bit Counters | V | |
| I-87024UW | | 4-channel 16-bit analog output module | V | |
| I-87016W | | 2-channel Isolated Strain Gauge Input Module | V | |
| I-87018PW | | 8-channel Thermocouple Input Module High Over Voltage Protection | V | |
| I-87057PW | | 16-channel Open Collector Isolated Digital Output Module | v | |
| I-87068W-2A | | 4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module | V | |

| Main | Software | Diversity | Mode 1 | Remark |
|---------------|------------------------|------------------------------------------------------------------------------------------------|--------|----------------------------|
| ET-87P8 | | I/O Expansion Unit with 8 Slots | V | |
| ET-87P8-MTCP | Modbus TCP | 8 slots I/O Expansion Unit with Modbus TCP protocol | | |
| XW310C | | 4-channel Differential/8-channel Single-Ended A/D, 1-channel D/A, 4-channel D/O, 4-channel D/I | V | Combine with LP-5141-EN |
| LP-5131-EN | | PAC with Linux kernel 2.6.19 and one LAN port (English Version of OS) | | |
| LP-5131-OD | Linux kernel | PAC with Linux kernel 2.6.19 and one LAN port and Audio (English Version of OS) | | |
| LP-5141-EN | | PAC with Linux kernel 2.6.19 and two LAN ports (English Version of OS) | V | |
| LP-5141-OD | Linux kernel | PAC with Linux kernel 2.6.19 and two LAN ports and Audio (English Version of OS) | | |
| XW506 | | 6-port Non-Isolated RS-232 | V | Combine with WP-5141-OD |
| WP-5141-EN | | Standard WinPAC-5000 (English Version of OS) | | |
| WP-5141-OD-EN | Windows CE | Standard WinPAC-5000 with Audio (English Version of OS) | V | |
| WP-5141-TC | | Standard WinPAC-5000 (Traditional Version of OS) | | |
| WP-5141-SC | | Standard WinPAC-5000 (Simplified Version of OS) | | |
| WP-5141-OD-SC | Windows CE | Standard WinPAC-5000 with Audio (Simplified Version of OS) | | |
| IR-210 | | Universal IR Learning Remote Module | V | |
| XW107i | | 8-channel Isolated Digital Input and 8-channel Isolated Digital Output | V | Combine with uPAC-5207D |
| µPAC-5007 | | Ethernet ISaGRAF Palm-Size Programmable Automation Controller | | |
| µPAC-5007D | ISaGRAF | Ethernet ISaGRAF Palm-Size Programmable Automation Controller with LED | | |
| µPAC-5107 | | Ethernet ISaGRAF Palm-Size Programmable Automation Controller with GPS | | |
| μPAC-5107D | uPAC-501 7 Firmware | Ethernet ISaGRAF Palm-Size Programmable Automation Controller and GPS with LED | | |
| µPAC-5207 | | Ethernet ISaGRAF Palm-Size Programmable Automation Controller with 2G (GPRS) | | |
| µPAC-5207D | | Ethernet ISaGRAF Palm-Size Programmable Automation Controller and 2G (GPRS) with LED | V | |
| XW304 | | 6-channel A/D, 1-channel D/A, 4-channel D/O, 4-channel D/I | V | Combine with uPAC-5202D |
| uPAC-5201 | | Programmable Automation Controller LAN and 2G | | |
| uPAC-5201D | MiniOS7 | Programmable Automation Controller LAN and 2G with LED | | |
| uPAC-5202 | | Programmable Automation Controller LAN and 2G and 256 MB Flash | | |
| uPAC-5202D | | Programmable Automation Controller LAN and 2G and 256 MB Flash with LED | V | |
| I-7022 | | 2-channel 12-bit Analog Output Module | V | |
| I-7058 | | 8-channel 80-250VAC Isolated Digital Input Module with 16-bit Counters | | |
| I-7058D | | 8-channel 80-250VAC Isolated Digital Input Module and 16-bit Counters with LED | V | |

| X507 1-Port RS-422/485 add 4-channel D/I, 4-channel D/O V PDS-743D PDS-743 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port PDS-743D MiniOS7 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port with LED V PPDS-743-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port PPDS-743D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port X505 3-Port RS-232 (5-Pin) V Combine wit PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED PDS-752D MiniOS7 Programmable Device Server with 90E, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port YE20 4 port RS-232 (2 Rin) 1 ch D/L | Main | Software | Diversity | Mode 1 | Remark |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|------------------------------------------------------------------------------------------|--------|--------------------------|
| I-7520U4 Isolated RS-232 to 4 Channels RS-485 Active Hub V I-75210 Embedded communication controller with one RS-485 I-75210 MiniOS7 Embedded communication controller with one RS-485 I-75240 Embedded communication controller with one RS-485 I-75240 MiniOS7 Embedded communication controller with one RS-485 I-75270 Embedded communication controller with one RS-485 I-75270 Embedded communication controller with one RS-485 I-75270 MiniOS7 Embedded communication controller with one RS-485 I-75210 MiniOS7 Embedded communication controller with one RS-485 I-7231D CANopen Slave / DCON Master Gateway V I-7242D DeviceNet / DCON Gateway V | M-7041-A5 | | 14-channel High Voltage Isolated Digital Input Module | V | |
| 1-7521 | I-7513U | | Three Way Isolated RS-485 Active Star Wiring Hub | V | |
| IP7521 and one RS-232 IP7521D MiniOS7 Embedded communication controller with one RS-485 V IP7524 Embedded communication controller with one RS-485 V IP7524 Embedded communication controller with one RS-485 V IP7524D MiniOS7 Embedded communication controller with one RS-485 V IP7527D Embedded communication controller with one RS-485 V IP7527D MiniOS7 Embedded communication controller with one RS-485 V CAN-2015C CANopen Slave Module of 8-channel RTD inputs IP7231D CANopen Slave / DCON Master Gateway V IP7241D DeviceNet / DCON Gateway V IP7241D DeviceNet / DCON Gateway V IP7242D DeviceNet / DCON Gateway V IP05-743 IPort RS-422/485 add 4-channel D/l, 4-channel D/l V PDS-743D MiniOS7 | I-7520U4 | | Isolated RS-232 to 4 Channels RS-485 Active Hub | V | |
| IP7521D MinIOS7 and one RS-232 and LED V | I-7521 | | | | |
| I-7524 | I-7521D | MiniOS7 | and one RS-232 and LED | V | |
| Initial State Minitial State Image: State | I-7524 | | and four RS-232 | | |
| Inf 1027 and seven RS-232 Inf 1057 Embedded communication controller with one RS-485 and seven RS-232 and LED V CAN-2015C CANopen slave module of 8-channel RTD inputs I-7231D CANopen Slave / DCON Master Gateway V I-7232D CANopen / Modbus RTU Gateway V I-7241D DeviceNet / DCON Gateway V I-7242D DeviceNet / Modbus RTU Gateway V I-7242D DeviceNet / Modbus RTU Gateway V X507 1-Port RS-422/485 add 4-channel D/l, 4-channel D/O V Combine wir PDS-743D PDS-743 Programmable Device Server with 3 RS-232 ports and 1 RS-485 port PDS-743D MiniOS7 Programmable Device Server with POE, Modbus PPDS-743D-MTCP Modbus Programmable Device Server with POE, Modbus Sto55 3-Port RS-232 (5-Pin) V Combine wir PDS-752D PDS-752 Programmable Dev | I-7524D | MiniOS7 | and four RS-232 and LED | V | |
| Initial CS7 and seven RS-232 and LED V CAN-2015C CANopen slave module of 8-channel RTD inputs I-7231D CANopen Slave / DCON Master Gateway V I-7232D CANopen Slave / DCON Master Gateway V I-7232D CANopen / Modbus RTU Gateway V I-7241D DeviceNet / DCON Gateway V I-7242D DeviceNet / Modbus RTU Gateway V X507 1-Port RS-422/485 add 4-channel D/I, 4-channel D/O V Combine with PDS-743D PDS-743 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port PDS-743D MiniOS7 Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED PPDS-743D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED PDS-752 3-Port RS-232 (5-Pin) V Combine wit PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port | I-7527 | | and seven RS-232 | | |
| I-7231D CANopen Slave / DCON Master Gateway V I-7232D CANopen / Modbus RTU Gateway V I-7241D DeviceNet / DCON Gateway V I-7242D DeviceNet / DCON Gateway V I-7242D DeviceNet / Modbus RTU Gateway V X507 DeviceNet / Modbus RTU Gateway V X507 DeviceNet / Modbus RTU Gateway V PDS-743 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port PDS-743D MiniOS7 Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port PPDS-743D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED X505 3-Port RS-232 (5-Pin) V Combine wit PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port | I-7527D | MiniOS7 | | V | |
| I-7232DCANopen / Modbus RTU GatewayVI-7241DDeviceNet / DCON GatewayVI-7242DDeviceNet / Modbus RTU GatewayVI-7242DDeviceNet / Modbus RTU GatewayVX5071-Port RS-422/485 add 4-channel D/I, 4-channel D/OVCombine wi PDS-743DPDS-743Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port with LEDPDS-743DMiniOS7Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 portPPDS-743D-MTCPModbusProgrammable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 portPDS-743D-MTCPModbusProgrammable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 portPDS-752Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LEDPDS-752Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LEDPDS-752DMiniOS7Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LEDPDS-752DMiniOS7Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LED | CAN-2015C | | CANopen slave module of 8-channel RTD inputs | | |
| I-7241D DeviceNet / DCON Gateway V I-7242D DeviceNet / Modbus RTU Gateway V X507 1-Port RS-422/485 add 4-channel D/l, 4-channel D/O V Combine with PDS-743D PDS-743 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port PDS-743D MiniOS7 Programmable Device Server with 3 RS-232 ports and 1 RS-485 port with LED PPDS-743-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED PPDS-743D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED PDS-743D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED PDS-752 9-Port RS-232 (5-Pin) V Combine with PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED PDS-752D MiniOS7 Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LED PPDS-752-MTCP Modbus Pr | I-7231D | | CANopen Slave / DCON Master Gateway | V | |
| I-7242DDeviceNet / Modbus RTU GatewayVX5071-Port RS-422/485 add 4-channel D/I, 4-channel D/OVCombine wi PDS-743DPDS-743Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 portPDS-743DMiniOS7Programmable Device Server with 3 RS-232 ports and 1 RS-485 port with LEDPPDS-743-MTCPModbus | I-7232D | | CANopen / Modbus RTU Gateway | V | |
| X5071-Port RS-422/485 add 4-channel D/I, 4-channel D/OVCombine wi PDS-743DPDS-743Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 portPDS-743DMiniOS7Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port with LEDPPDS-743DMiniOS7Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 portPPDS-743D-MTCPModbusProgrammable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LEDPPDS-743D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LEDX5053-Port RS-232 (5-Pin)VCombine wi PDS-752DPDS-752Programmable Device Server with 4 RS-232 ports and 1 RS-485 portPDS-752DMiniOS7Programmable Device Server with 4 RS-232 ports and 1 RS-485 portPPDS-752-MTCPModbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LED <td>I-7241D</td> <td></td> <td>DeviceNet / DCON Gateway</td> <td>V</td> <td></td> | I-7241D | | DeviceNet / DCON Gateway | V | |
| X507 1-Port RS-422/485 add 4-channel D/I, 4-channel D/O V PDS-743D PDS-743 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port PDS-743D MiniOS7 Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port with LED V PPDS-743D Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port V PPDS-743D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port X505 3-Port RS-232 (5-Pin) V Combine wit PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED PPDS-752D MiniOS7 Programmable Device Server with 90E, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port YE20 | I-7242D | | DeviceNet / Modbus RTU Gateway | V | |
| PDS-743 1 RŠ-485 port PDS-743D MiniOS7 Programmable Device Server with 3 RS-232 ports and 1 RS-485 port with LED V PPDS-743-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port PPDS-743D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED X505 3-Port RS-232 (5-Pin) V Combine with PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED PPDS-752-MTCP Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port YE20 4 port RS 232 (3 Pin) 1 ch D/L and 2 ch D/O V Combine with | X507 | | 1-Port RS-422/485 add 4-channel D/I, 4-channel D/O | V | Combine with PDS-743D |
| PDS-743DMiniOS71 RŠ-485 port with LEDVPPDS-743D-MTCPModbusProgrammable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 portPPDS-743D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LEDX5053-Port RS-232 (5-Pin)VCombine with PDS-752DPDS-752Programmable Device Server with 4 RS-232 ports and 1 RS-485 portPDS-752DMiniOS7Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LEDPPDS-752-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-7520-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-7520-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LEDPYDS-7520-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LEDY5204 port RS 232 (3 Pin) 1 ch D/l and 2 ch D/OVCombine with | PDS-743 | | 1 RS-485 port | | |
| PPDS-743-INTCP Modbus Gateway, 3 RS-232 ports and 1 RS-485 port PPDS-743D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port with LED X505 3-Port RS-232 (5-Pin) V Combine with PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED PDS-752-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LED Y520 4 port RS 232 (3 Pin) 1 ch D/l and 2 ch D/Q V Combine wit | PDS-743D | MiniOS7 | Programmable Device Serverwith 3 RS-232 ports and 1 RS-485 port with LED | V | |
| PPDS-743D-MTCPModbus TCPProgrammable Gateway, 3 RS-232 ports and 1 RS-485 port with LEDX5053-Port RS-232 (5-Pin)VCombine with PDS-752DPDS-752Programmable 1 RS-485 portProgrammable Device Server with 4 RS-232 ports and 1 RS-485 portPDS-752DMiniOS7Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LEDVPDS-752-MTCPModbusProgrammable Device Server with 4 RS-485 portVPPDS-752D-MTCPModbusProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 portPPDS-752D-MTCPModbus TCPProgrammable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LEDY5204 port RS 232 (3 Pin) 1 ch D/l and 2 ch D/OVCombine with Combine with Combine with Combine with | PPDS-743-MTCP | | Programmable Device Server with PoE, Modbus Gateway, 3 RS-232 ports and 1 RS-485 port | | |
| X505 3-POIT RS-232 (5-Pin) V PDS-752D PDS-752 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED V PPDS-752-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port V PPDS-752D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LED Y520 4 port RS 232 (3 Pin) 1 ch D/l and 2 ch D/Q V Combine with | PPDS-743D-MTCP | | Programmable Device Server with PoE, Modbus | | |
| PDS-752 1 RŠ-485 port PDS-752D MiniOS7 Programmable Device Server with 4 RS-232 ports and 1 RS-485 port with LED V PPDS-752-MTCP Modbus Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus TCP Programmable Device Server with PoE, Modbus Gateway, 4 RS-232 ports and 1 RS-485 port with LED Y520 4 port RS 232 (3 Pin) 1 ch D/l and 2 ch D/Q V Combine with | X505 | | 3-Port RS-232 (5-Pin) | V | Combine with PDS-752D |
| PDS-752D Minitos / 1 RŠ-485 port with LED v PPDS-752-MTCP Modbus Programmable Device Server with PoE, Modbus PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus V Combine with CP Modbus V V Combine with CP | PDS-752 | | Programmable Device Server with 4 RS-232 ports and 1 RS-485 port | | |
| PPDS-752-MTCP Modbus Gateway, 4 RS-232 ports and 1 RS-485 port PPDS-752D-MTCP Modbus Programmable Device Server with PoE, Modbus Y520 4 port RS 232 (3 Pip) 1 ch D/l and 2 ch D/O V Combine with | PDS-752D | MiniOS7 | 1 RS-485 port with LED | V | |
| TCP Gateway, 4 RS-232 ports and 1 RS-485 port with LED | PPDS-752-MTCP | Modbus | | | |
| | PPDS-752D-MTCP | | | | |
| PDS-762D | X520 | | 4-port RS-232 (3-Pin), 1-ch D/I and 2-ch D/O | V | Combine with PDS-762D |

| Main | Software | Diversity | Mode 1 | Remark |
|----------------|---------------------|--------------------------------------------------------------------------------------------------------|--------|--------------------------|
| PDS-762 | | Programmable Device Server with 5 RS-232 ports and 1 RS-485 port | | |
| PDS-762D | MiniOS7 | Programmable Device Server with 5 RS-232 ports and 1 RS-485 port with LED | V | |
| PPDS-762-MTCP | Modbus | Programmable Device Server with PoE, Modbus Gateway, 5 RS-232 ports and 1 RS-485 port | | |
| PPDS-762D-MTCP | Modbus TCP | Programmable Device Server with PoE, Modbus Gateway, 5 RS-232 ports and 1 RS-485 port with LED | | |
| X506 | | 6-Port RS-232 | V | Combine with PDS-782D |
| PDS-782 | | Programmable Device Server with 7 RS-232 ports and 1 RS-485 port | | |
| PDS-782D | MiniOS7 | Programmable Device Server with 7 RS-232 ports and 1 RS-485 port with LED | V | |
| PPDS-782-MTCP | Modbus | Programmable Device Server with PoE, Modbus Gateway, 7 RS-232 ports and 1 RS-485 port | | |
| PPDS-782D-MTCP | Modbus TCP | Programmable Device Server with PoE, Modbus Gateway, 7 RS-232 ports and 1 RS-485 port with LED | | |
| PDS-220FT | | Programmable Device Server with 1 RS-232, 1 RS-422/485 and 1 Multi-mode ST Fiber Ports | V | |
| PDS-220FC | | Programmable Device Server with 1 RS-232, 1 RS-422/485 and 1 Multi-mode SC Fiber Ports | | |
| PDS-220FCS | | Programmable Device Server with 1 RS-232, 1 RS-422/485 and 1 Single-mode SC Fiber Ports (30 km) | | |
| PDS-220FCS-60 | | Programmable Device Server with 1 RS-232, 1 RS-422/485, and 1 Single-mode SC Fiber Ports (60 km) | | |
| SSM-592 | | Intelligenter SMS-Stormelder | V | |
| NSM-208G | NSM-208 Firmware | Unmanaged 8-port 10/100/1000 Base-T Ethernet Switch with Power Input +10 VDC ~ +30 VDC | V | |
| NSM-208AG | | Unmanaged 8-port 10/100/1000 Base-T Ethernet Switch with Power Input +12 VDC ~ +48 VDC | | |
| GST-63-M | | Seismic Switch with Metal casing | V | |
| M-7084 | | 4/8-channel Counter/Frequency/Encoder Input Module | V | |
| GM-1000 | MiniOS7 | Quad-band M2M Mini-Programmable automation Controller | | |
| SensMate | SenMate Firmware | Quad-band M2M Mini-Programmable automation Controller | | |
| GM-1100 | | Quad-band M2M Mini-Programmable automation Controller with LAN | V | |
| SensMini | SenMini Firmware | Quad-band M2M Mini-Programmable automation Controller with LAN | V | |