

iDPS/MSTR Intelligent Analog Graphical Analyser

GENERAL

The modular design of the iDPS/MSTR is used as the communication gateway and on-site monitoring terminal between the application site and the platform server. It realizes data acquisition, communication protocol conversion and data transmission, data display management, etc., and facilitates remote state monitoring and centralized management of electrical equipment.

As the master station, the iDPS/MSTR is directly connected to the Pyrolysis Sensing Electrical Fire Monitoring Detector, which is used to obtain the monitoring data and operating status of the detector in real time, and can support up to 252 detectors. It has the function of issuing commands to the detector, and can remotely reset, self-test, and set the primary and secondary thresholds of the detector.

The iDPS/MSTR provides both cloud and local data presentation. Among them, the cloud display method refers to reporting the data to the platform server through Ethernet or cellular network, so as to realize multi-user, multi-level and multi-dimensional viewing of the detector status and real-time information. It can also remotely reset the detector, self-test, and set the primary and secondary thresholds. The local display means that through the Ethernet or wireless local area network (WLAN), through the browser to access the WEB to view the detector status and real-time information, threshold modification, list display, curve generation, alarm push and detector management and other operations.

FEATURES

- Modular design with flexible expansion
- Hybrid B/S + C/S architecture, multi-terminal access
- Visual management with graphical analysis
- Built-in firewall, secure zone separation
- Ring-bus support for rapid fault location
- Comprehensive monitoring and management
- Support for issuing commands to the detector
- Can record alarm, fault, operation history information
- Configure console interface for system management and fault diagnosis



iDPS/MSTR

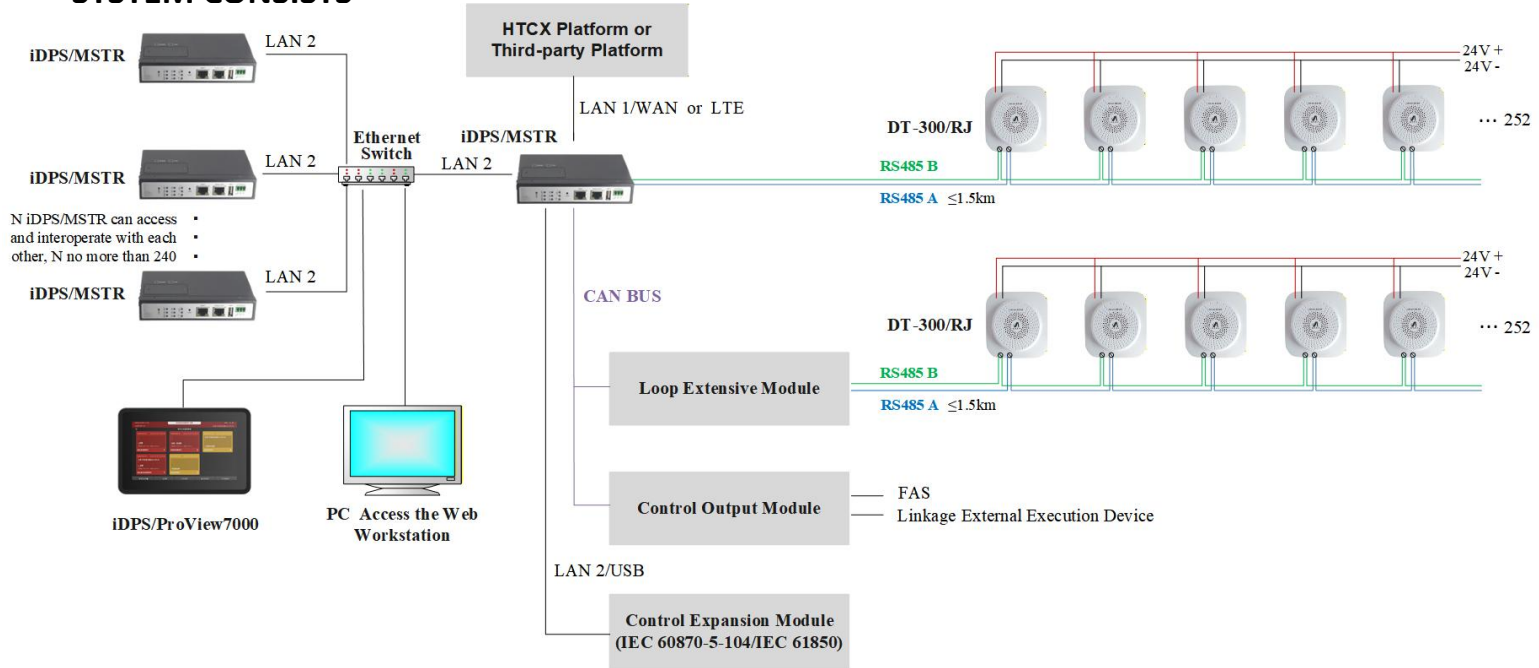
TECHNICAL SPECIFICATIONS

- **Dimensions (L×W×H)**
5.9×3.9×1.2 inch (150.0×100.0×30.0 mm)
- **Operating Temperature Range**
-35°C to +75°C
- **Operating Humidity Range**
relative humidity from 0% to 95%, non-condensing
- **Capacity**
252 detectors
(Can be extended by Loop Extensive Module)
- **WIFI**
802.11b/g/n standard, default AP mode
- **LTE CAT4**
support LTE-TDD/LTE-FDD/WCDMA/GSM
- **Installation Method**
desktop flat, guide rail installation, wall hanging installation

ELECTRICAL SPECIFICATIONS

- **Mains Power Supply** DC12V
- **Power Consumption** 500 to 700mA@DC12V

SYSTEM CONSISTS



The iDPS/MSTR is connected to the detector through the RS485 fieldbus, and supports connection to the HTCX intelligent fire cloud service platform or other third-party platforms through the LTE or LAN1/WAN Ethernet interface to achieve data upload; at the same time, PC, PAD and so on can be used to realize the local WEB access and operation of iDPS/MSTR through WLAN or LAN2 interface.

System networking between iDPS/MSTR can also be carried out in a LAN manner through the LAN2 interface, supporting up to 240 iDPS/MSTR networking for data exchange, mutual access and interoperability.

The iDPS/MSTR can be extended in the system through the CAN bus. If more detectors need to be connected to the system, the Loop Extensive Module can be used to expand the detector mounting circuit, thereby increasing the load capacity of the detector. If the linkage FAS system or the control field actuator is needed, the linkage FAS system and the Control Output Module can be realized by controlling the output module to output the relay dry contact signal in the event of alarm and fault.

PRODUCT CERTIFICATION

- EN 55032、EN 55035、EN 61000 for EU Directive (2014/30/EU)
- EN 62368 for EU Directive (2014/35/EU)
- RoHS 3 EU 2015/863



ORDERING INFORMATION

Model No.	Description
iDPS/MSTR-EU iDPS/MSTR-CN	Intelligent Analog Graphical Analyser. The EU version is applicable to Europe and the Asia-Pacific region. The CN version is applicable to mainland China.
iDPS/IOM-O3	Control Output Module. Under development
iDPS/LEM-1L	Loop Extensive Module. Under development

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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