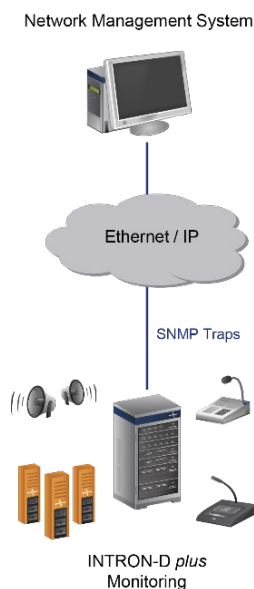


# INTRON-D *plus* SNMP Interface



## Features and Functions

- Support of SNMPv2 to connect INTRON-D *plus* systems to network management systems
- INDUSTRONIC-specific MIB to manage INTRON-D *plus* data
- Retrieving detailed information on the hardware used and connected terminal devices
- Retrieving states and information on configured event groups (e.g. active fault messages)
- SNMP traps in case of status changes in the INTRON-D *plus* system / system network

The Simple Network Management Protocol (SNMP) is a network protocol used by network management systems (NMS) to centrally monitor network components (e.g. routers). The INTRON-D *plus* communication and public address system from INDUSTRONIC supports SNMPv2c allowing for easy integration into existing network management systems.

In a network of systems, each INTRON-D *plus* system is considered as a single SNMP network element so that each system can separately be reached and monitored by the network management system.

To retrieve system information, the MIB-2 is used in part as well as the proprietary INDUSTRONIC-specific Management Information Base (MIB).

Additionally, the network management system can immediately be notified about status changes via SNMP traps. This ensures that system errors can directly be displayed. You can also configure several trap recipients so that the INTRON-D *plus* can send traps to several network management systems.

### Protocol Properties

- SNMPv2
- UDP over IPv4
- UDP port 161 for sending and receiving SNMP requests
- UDP port 162 for sending SNMP traps
- MIB is based on SNMPv2-SMI
- Support of UTF-8 character encoding

### Interface

- RJ45 Ethernet interface on the DXC exchange control board

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### Retrieving Data via SNMP

- Retrieving general system information such as uptime, location, and system type via MIB-2 (*iso.org.dod.internet.mgmt.MIB-2*)

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- System-specific information

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- Retrieving detailed information about the equipment installed in the system
- Retrieving detailed information about connected terminal devices
- Retrieving states and information on configured event groups (e.g. fault message states)
- Retrieving important configuration parameters
- Retrieving the current connection status within a network of systems

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### Order Data

Description	Type Number
ACT-SNMP Interface Activation of one SNMP interface within the INTRON-D <i>plus</i> system network	101-400-101

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Subject to technical modifications