

SNMP Micro-module



AI Overview

An SNMP module is a software component that enables monitoring and managing network devices using the Simple Network Management Protocol (SNMP).

Overview of SNMP

SNMP (Simple Network Management Protocol) is an application-layer protocol used to monitor, manage, and configure network devices such as routers, switches, servers, printers, and firewalls . It operates over UDP ports 161 (requests) and 162 (traps) and is part of the TCP/IP protocol suite . SNMP allows network administrators to collect device statistics, detect faults, and perform remote configuration changes.

Key Components

- **SNMP Manager (Network Management Station, NMS):** A centralized system that queries SNMP agents and processes the collected data .
- **SNMP Agent:** A software module installed on a managed device that maintains a Management Information Base (MIB) and responds to requests from the manager .
- **Management Information Base (MIB):** A hierarchical database of variables (objects) representing device parameters, which can be scalar (single value) or tabular (multiple related values), .

SNMP Operations

Common SNMP operations include:...

Article Content

Mar 24, 2026

An Introduction to SNMP (Simple Network Management

SNMP, or simple network management protocol, is a standard internet protocol used to

Mar 28, 2026

Simple Network Management Protocol (SNMP)

Simple Network Management Protocol (SNMP) is a widely used protocol for network management that provides a

Jun 30, 2026

Supermicro monitoring and integration with Zabbix

Supermicro Super Micro Computer, Inc, doing business as Supermicro, is an information technology company based in San Jose,

Sep 15, 2025

SUPERMICRO-SNMP3-MIB MIB – Observium MIB Browser

SUPERMICRO-SNMP3-MIB The MIB module is for managing SNMP Inform message statistics and Agentx-subagent

Feb 24, 2026

1.2.1.19 SNMP Module

SNMP is one of the key components of a Network Management System (NMS). SNMP is an application layer protocol that facilitates

Jul 04, 2026

snmp4j

SNMP4J-Agent - the defacto standard for Java SNMP agent development - reduces that complexity to a minimum. Use AgenPro

Nov 26, 2025

How to Install and Configure SNMP Service on Windows

Configure and manage SNMP on Windows and Windows Server. Includes PowerShell commands, GPO settings,

Mar 24, 2026

What is SNMP? {Versions, Monitoring, and Components}

This article explains what SNMP is, why you should use it, its basic components, features, and some of the available

Jun 17, 2026

Monitoring Supermicro servers through SNMP using Zabbix Server

Monitoring Supermicro servers through SNMP using Zabbix Server Posted on January 1, 2023 by Thiago Crepaldi

Feb 18, 2026

1.7 TCP/IP SNMP NVM MPFS

The Microchip SNMP Server is a multi-lingual implementation, which supports SNMPv1, V2c, and V3 server features simultaneously.

Jan 10, 2026

What is Simple Network Management Protocol (SNMP)?

Simple Network Management Protocol (SNMP) is used to manage network devices and services. Explore how it

Jul 07, 2026

Diagnostics and configuration with SNMP

SNMP agents respond to requests of an SNMP manager only if the SNMP functionality is enabled on the devices receiving the

Jun 16, 2026

SUPERMICRO-SNMPv2-MIB MIB – Observium MIB Browser

The MIB module is for managing SNMP. SNMP MIB SUPERMICRO-SNMPv2-MIB – objects, OIDs, type definitions and descriptions.

Dec 13, 2025

Diagnostics and configuration with SNMP

Via the SNMP OPC server of SIMATIC NET, OPC client applications have access to SNMP network management functions. To

Nov 09, 2025

IS-UNITY-SNMP

SNMP AND WEB-BASED MANAGEMENT, WEBCARD Description Data Center Monitoring Adapter 10Mb LAN/100Mb LAN Micro

Dec 20, 2025

Mini-SNMP Card for UPS Connectivity

Delta's Mini-SNMP card provides InsightPower Manager to monitor and track UPS data across the network & secures public

Jul 08, 2026

Developing applications on STM32Cube with LwIP TCP/IP stack

tcpip_init function is called to initialize the LwIP stack modules and to start the TCP/IP stack thread. Netif_config function is called to

Oct 29, 2025

Tutorial

Learn how to configure the MikroTik SNMP feature using the command-line and the web interface by following this

Feb 27, 2026

SNMP Utilities

SNMP Service - Win32 apps The Microsoft Windows implementation of the Simple Network Management Protocol

Contact Us

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