

SNMP Protocol

ON OPTIFLEX™ INTEGRATORS



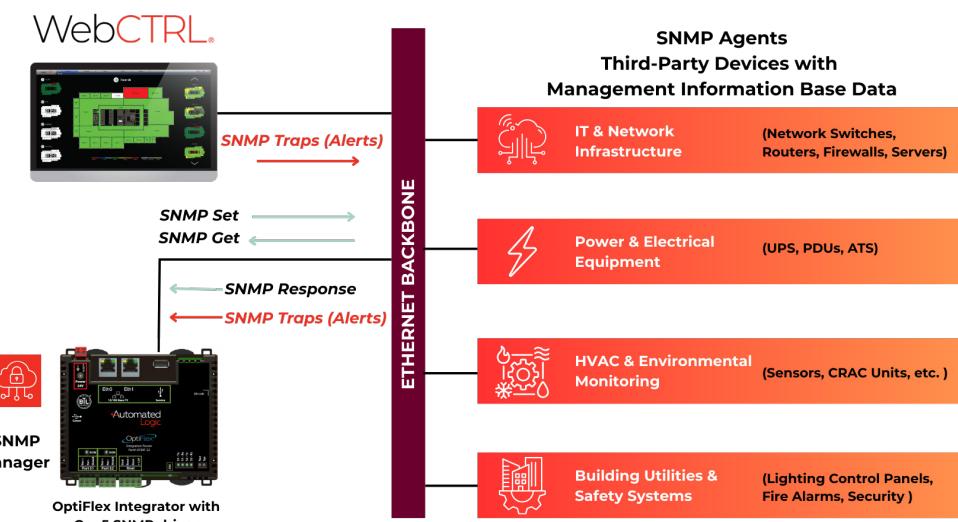
SNMP

The Simple Network Management Protocol (SNMP) is a standard protocol used to monitor and manage devices like routers, switches, and servers with the WebCTRL® system via an Automated Logic® OptiFlex integrator. This creates a single, centralized view enabling operators and network administrators to streamline building operations, maintain network health, troubleshoot issues, and receive automated alerts about issues that impact building performance.

How it Works

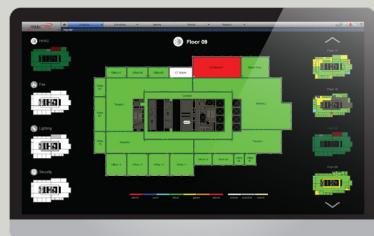
The OptiFlex integrator acts as an SNMP manager, communicating with SNMP agents on your network devices to read and write data, as well as receive event notifications called traps. The SNMP agent retrieves Management Information Base (MIB) data by referencing specific Object Identifier (OID) values to report device status to the SNMP manager.

SNMP PROTOCOL



WebCTRL®

The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.



Specifications

OptiFlex Integrators - SNMP Specifications	
Driver	drv_gen5_108-06-20206.driverx or later
Compatible Part Numbers	OFHI-A, OFINT-E2, G5CE
Read/Write Capability	Can read from and write to the third-party equipment
Supported SNMP Equipment	Any device supporting SNMP protocol versions v1, v2c, or v3
Network Media Type	Any device supporting SNMP protocol versions v1, v2c, or v3 Ethernet (via CAT5 or higher cable)
Max Devices Supported	Up to 100 devices per OptiFlex integrator
OID Shortcuts Capacity	Up to 50 OID shortcuts can be defined
Trap Ports Capacity	Up to 5 Trap Ports can be defined
Controller Port	Gig-E Port
Maximum Cable Length	328 feet (100 meters)
Default Request Port	161
Default Trap Port	162
Max Points Per Request	Configurable from 1-1000 (Default: 1)
Max Pending Packets	Configurable from 1-50 (Default: 5)
Interpacket Delay	Configurable from 0-1000 milliseconds (Default: 20 ms)
SNMP v1/v2c Security	Uses Community String Profiles (Read, Write, Trap)
SNMP v3 Security	Uses User Security Profiles (Auth and Privacy Passphrases)