NETWORK CONTROLLER
ONS-NC600 WITH OPTIGO ONEVIEW™

Central management for the entire network
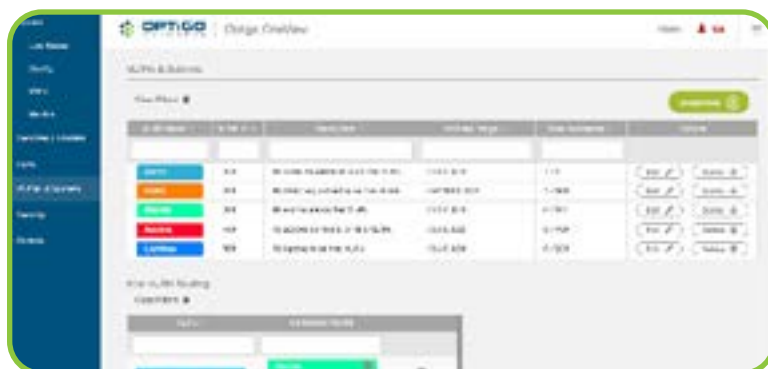

ONS-NC600 Network Controller

Visibility throughout a building network is crucial for systems with hundreds to thousands of devices. The Network Controller pairs with the Aggregation Switch (the ONS-S8 for the Spectra solution, or select ONS-Cx switches for the Hybrid solution) to host Optigo OneView™, the user-friendly dashboard that monitors and manages the entire network from one screen. Edge Switches and the supported Router are automatically recognized and added to Optigo OneView™. Using the supported router (available for order through Optigo) users can even enjoy the power and ease of multi-layer network management in one centralized dashboard. With Optigo OneView™ managing the network, the time to assign IP addresses and configure each switch for management, VLANs, and security is reduced from days to a few minutes. Users can minimize their dependence on IT and truly own their network, with a multi-layer solution designed for OT.

305 mm (12.0")

44 mm (1.7")

431 mm (17.0")

## Security and efficiency combined

OneClick Secure™ ensures users do not have to choose between having a secure network or being able to make quick changes. OneClick Secure™ closes all unused ports and locks used ports to the applicable MAC address with the click of a button. Users can simply unlock the necessary ports to make changes, then re-secure the entire network with a single click.

Product highlights

- View tens to thousands of ports and IP addresses in a simple dashboard, with responsive search filters and sorting functions.
- Manage port status, VLANs, IP addresses, and router through an all-in-one management interface.
- Keep track of the system's bandwidth with detailed port counters and real-time bandwidth/utilization calculations.
- Assign VLANs with a single click.
- No templates or scripts required: simply plug, play, and go.
- Power cycle any PoE devices, such as IP cameras, with one click.
- Easily secure your ports with OneClick Secure.
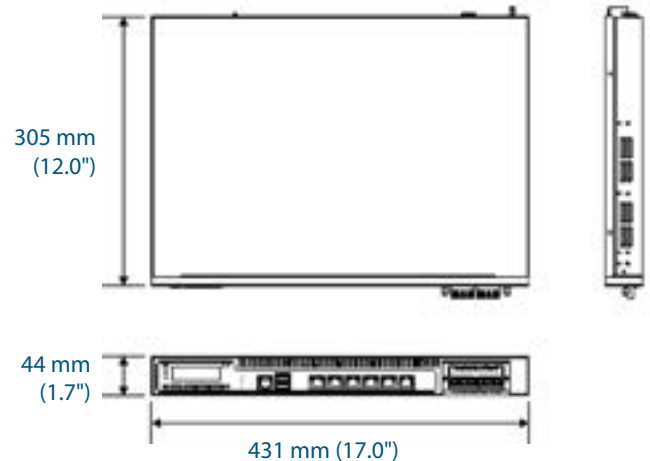
OneView™ Network management

OneClick Secure™ – Ensure complete port security with instant MAC address lockdown and disabling of all unused ports to prevent cyberattacks.

Centralized Multi-Layer Networking – Assign IP addresses, manage DHCP and set routing rules, with minimal or no support from IT, with Optigo's router management features.

Single Pane of Glass Management – Manage router and all switches in a single graphical view. Never configure a switch individually and never use the CLI again.

PoE+ Management – Centrally manage PoE+ use and distribution. Real-time PoE+ budget (used/available) is displayed on a per switch basis, and PoE+ power consumption is displayed on a per port basis. Optigo OneView™ also allows you to enable, disable, or reset any port's power easily.

Performance Monitoring – View system's bandwidth with detailed port counters and real-time bandwidth/utilization calculations.

Simplified Network Maintenance – Run all OT network maintenance through a single interface. Simple and fast diagnostic reports, configuration, firmware upgrades, or even switch resets — all at the touch of a button.

Notifications – Monitor the status of the network for important events such as link status change, switches going offline, and user logins. Receive these alerts right to your email.

ONS-NC600 Network Controller Specifications

PORTS AND PHYSICAL CHARACTERISTICS

MANAGEMENT PORT	1 × 10/100/1000 Mbps Management port (Mgmt)
ETHERNET PORTS	5 × 10/100/1000 Mbps (Reserved)
CONSOLE	1 × RJ45
USB SUPPORT	2 × USB 2.0
POWER	100–240 VAC @ 50 ~ 60 Hz Max 150 W ATX Power Supply
COOLING SYSTEM	1 × cooling fan with smart fan control
LCD MODULE	LCD with keypad
WATCHDOG	Yes
INTERNAL RTC WITH LI BATTERY	Yes
OPERATING ENVIRONMENT	0°C ~ 40°C (32°F ~ 104°F) 5–90% Humidity (non-condensing)
STORAGE ENVIRONMENT	−20°C ~ 70°C (−4°F ~ 158°F) 5–95% Humidity (non-condensing)
DIMENSIONS	431 mm × 305 mm × 44 mm (17" × 12" × 1RU)
WEIGHT	4.0 kg (8.8 lb)
MOUNTING	Rack (brackets included)
CERTIFICATIONS	UL 60950-1, CE Class A, FCC Class A, RoHS

MANAGEMENT WITH OPTIGO ONEVIEW™

SOFTWARE	OneView™ Network Management Software
EDGE SWITCH MANAGEMENT	Manage up to 256 Edge Switches
UPDATE	SW Update via WebGUI
WEB SERVER	HTTP/HTTPS Access

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NETWORKS