



# AIDC Controller

## Release Note

Version 3.1 R0409P00

# Preface

The purpose of this document is to provide important information about the software version released.

## Target Audience

This manual is primarily intended for following engineers.

- Software Developers
- Software Testers
- Customer Site Implementers

## Modification of Records

Date	Version	Modify Remarks
2025-12-30	V1.0	AIDC Controller_V3.1_R0409P00 released.

## Applicable Hardware Models

Standard products:

- CX308P-48Y-N
- CX308P-48Y-N-V2
- CX532P-N
- CX532P-N-V2
- CX564P-N
- CX664D-N
- CX732Q-N
- CX732Q-N-V2
- CX864E-N

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# 1 Instruction

The release version is AIDC Controller\_V3.1\_R0409P00.

**controller\_V3.1\_R0409P00.bin** for x86 server deployment .

md5: 657cf034e42f2e8c4fe9c569a015387c

sha1: be25f74592524be78819ec3e01aa0cd3fd80b1e3

**controller\_V3.1\_R0409P00\_arm.bin** for ARM server deployment.

md5: 9ba3e7118a4133c1b6f6572c7fe504eb

sha1: 5ece250834d306887150c7131f3c7fdb4d18dedb

# 2 List of Features

Table 2-1 List of Features

Features	Level 1	Level 2
Navigation	Map	Tree structure diagram displaying all organization & device information under the current account
		Map structure hierarchy
		Supports operations for organizations, sites, and canvas
	Real Topology	Topology generation & viewing
		Basic device information
		Connection information between devices and their peers
		Interface rate/LACP negotiation status display
	Dashboard	Aggregated Dashboard
Switch Count		
Alarms		
Venue Dashboard		Switch Count
User-Customizable Dashboard		Built-in multi-dimensional visual data components
		Component operations

Features	Level 1	Level 2
Configuration Management		Dashboard reset
	Inventory Management	Inventory device import/export, configure inventory devices
		Classification for devices
	Planning Topology	Network planning for devices
		Validation between planned topology and real topology
		Health status check for devices in planned topology
	Alarm Configuration	severity/description/description/threshold/suppression
		Synchronization to subordinate organizations/sites
	Alarm Notification	recipient information
		email notification enable
		alarm types triggering email notification
		alarm severities triggering email notification
		Synchronization to subordinate organizations/sites
Configuration Management - Planning Topology & Wired Service Configuration	AIDC Backend Network Deployment Scenario	Basic network configuration: Interface config, BGP config, config import/export
		Wired service configuration: Intelligent path selection, RoCE, ARS, CSV batch import, filtering & batch push
	AIDC Frontend Network Deployment Scenario	Basic network configuration: Interface config, BGP config, MLAG config, config import/export



Features	Level 1	Level 2
		Wired service configuration: Service provisioning, RoCE, CSV batch import, filtering & batch push
	AIDC Storage Network	Basic network configuration: Interface config, BGP config, MCLAG config, config import/export
	Deployment Scenario	Wired service configuration: Service provisioning, RoCE, CSV batch import, filtering & batch push
Device Management	Device Basic Information	Hostname
		Type
		Model
		IP Address
		MAC Address
		System Version
		Serial Number
		Creation Time
		Last Update Time
		Organization/Site
		Loopback IP Address
	Device Status Information	Connection Status
		Uptime
		Last Contact Time
		Local Time
		Load
		CPU Real-time Usage
		Memory Real-time Usage
		Health Status
SSIDs		



Features	Level 1	Level 2	
	Device Peripheral Information	Temperature	
		Fan	
		Power	
	Device Alarm Information	-	
	Device Interface Usage Information	Device Interface Usage Information	
		Device Interface Usage Information	
		Device Interface Usage Information	
	Device Log Information	-	
	Device Health Statistics	-	
	Device CoreDump Logs	-	
	Switch Device LLDP Information	-	
		MAC	
		Neighbor	
		PBR	
		RoCE	
	Device detail Information	AI-Network	
		Per-interface & system-wide rx_Bps/tx_Bps/rx_packets/tx_packets Statistics	
			CPU/Memory usage history
		Interface info	
		Optical module info	
	Device Statistics	Device BUFFER	
		ROCE metric statistics	
		-	
			Device Operation Command Log
			Device Notes
			Remote Device Operation

Features	Level 1	Level 2
	Commands	Remote Packet Capture
		Firmware Upgrade
		Configuration File Commands
		Remote Command/Script Execution
		Patch Application
		Device Inspection
		Change Device IP
Inventory Management	Inventory List Information	MAC Address
		Name
		Configuration Tag
		Organization/Site
		Type
		Loopback0 IP
		Port Scale
		License MD5
		Description
	Status Information	
	Inventory Operations	Filter, Create, Edit, Delete Inventory
		Switch Inventory Device Organization/Site
		Download Inventory Info CSV File
		Filter, Create, Edit, Delete Inventory
Operations Management	Alarm Function	Active/Historical Alarms
		Alarm Settings
		Alarm Notifications
	Inspection Function	One-click & Scheduled Inspection
		Inspection Record Export/View/Delete
		Inspection Threshold Configuration
	Firmware	Firmware
		Patches

Features	Level 1	Level 2	
	Scripts	-	
User Management	Personal User Settings	-	
	Built-in Users, Add User, Modify User, Delete User	-	
	Roles	-	
	User Actions	-	
System	Controller Configuration	-	
	Controller Upgrade	Version Deployment	
		Controller Version Management	
		Controller Patch Management	
		Controller Upgrade Logs	
	Controller Configuration Migration	-	
	Controller Subsystem Logs	-	
	Controller Service Management	-	
Version Description	-		

## 3 Update Records

First Release.

### 3.1 New Features

[User Management] Support user OAuth 2.0 authentication.

[Device Management] Unified the UI display and configuration format for device interfaces; introduced new AIDC switch device types, including CX664D-N, CX732Q-N, CX732Q-N-V2, and CX864E-N; added support for displaying detailed optical module information, interface/interface queue detailed packet statistics, buffer detailed statistics, RoCE detailed metrics, and PBR/RoCE/AI-Network configuration information for devices.

[Configuration Management] Supports planning topology validation; supports health status checks for devices within the planned topology.

[Configuration Management - Planned Topology & Wired Service Configuration] Supports deployment scenarios for AIDC backend networks, frontend networks, and storage networks.

[Operations Management] Supports alarms for 200G/400G/800G optical modules.