

Campus Controller

Release Note

Version V1.0R010

FACTOR GROUP

Contents

1.	Preface	2
1.1	Target Audience	2
2.	Modification of Records	3
3.	Description	4
4.	Update Records	5
4.1	New Feature	5
4.2	Improvements and Enhancements	5
4.3	Bugs	6
5.	Upgrade Considerations	7



1. Preface

The purpose of this document is to provide important information about the released software version, including but not limited to the following information: running platform, important components, main features, key updates.

1.1 Target Audience

This manual is primarily intended for following engineers:

- Software Developers
- Software Testers
- Customer Site Implementers



2. Modification of Records

Date	Versions	Modify Remarks
2026-03-20	V1.0	Campus Controller -V1.0R010 release



3. Description

The release version is **V1.0R010** the specific information are as following:

- Image
 - controller_V1.0_R10.bin, md5sum:a0286234e62d73cc5f9c25c738ed5291
 - controller_V1.0_R10_arm.bin, md5sum: e68b0c6258a764bd53ade7cea4736272
- Supporting user manual
 - Campus Controller Usage Guide_en_v10.x series



4. Update Records

4.1 New Feature

- License
 - Controller license framework (aligned across WebUI/SDK)
- Guidance
 - Common-operation guidance
- O&M / Alarms
 - Alarm policy search and platform-based categorization
 - Extended switch alarms: reboot, configuration change, abnormal file state
 - Dashboard alarm posture view (dynamic alarm cards/views)
- WLAN / AP
 - AP critical events (device-level events)
 - AP network probing
 - AP rescue SSID
 - DTIM added to WLAN configuration templates
 - Wireless client remark field
- Topology
 - Planning topology / Real topology: Topology 2.0
- API / Integration
 - SDK APIs for third-party integration
 - Improved REST API documentation

4.2 Improvements and Enhancements

- Device / Client
 - Optimized management IP display on device pages.
 - Authentication: client list supports navigation/locating to the client.
- Link / Neighbor
 - Optimized AP neighbor-link presentation.
- Release UX

- “NEW” tagging for newly introduced features.

4.3 Bugs

- Alarms / UI
 - Fixed missing time fields in historical alarms (first/latest alarm time).
- Client View
 - Fixed inconsistency between wired client status and online trend charts.
- WLAN / AP
 - Fixed incorrect default radio parameters for specific AP models.



5. Upgrade Considerations

- The switch version to which the controller adapts is AsterNOS-V5.2R016
- The controller deployed on the cloud needs to add a port access policy to the Alibaba Cloud deployment example:

Type	Direction	Policy	IP Protocol	Port Range	Priority	SIP Address	Description
intranet	ingress	Accept	UDP	64218/64218	1	0.0.0.0/0	olt stick
intranet	ingress	Accept	TCP	49159/49159	1	0.0.0.0/0	olt stick
intranet	ingress	Accept	TCP	16013/16013	1	0.0.0.0/0	owupgrade
intranet	ingress	Accept	TCP	16012/16012	1	0.0.0.0/0	owmgmt
intranet	ingress	Accept	TCP	16011/16011	1	0.0.0.0/0	owom
intranet	ingress	Accept	TCP	16008/16008	1	0.0.0.0/0	ownacm
intranet	ingress	Accept	TCP	15008/15008	1	0.0.0.0/0	ownacm
intranet	ingress	Accept	TCP	16006/16006	1	0.0.0.0/0	owsub
intranet	ingress	Accept	TCP	15002/15002	1	0.0.0.0/0	owgw
intranet	ingress	Accept	TCP	16002/16003	1	0.0.0.0/0	owgw
intranet	ingress	Accept	TCP	16004/16004	1	0.0.0.0/0	owfms
intranet	ingress	Accept	TCP	16009/16009	1	0.0.0.0/0	owanalytics
intranet	ingress	Accept	TCP	16005/16005	1	0.0.0.0/0	owprov
intranet	ingress	Accept	TCP	16001/16001	1	0.0.0.0/0	owsec
intranet	ingress	Accept	TCP	5912/5913	1	0.0.0.0/0	owgw
intranet	ingress	Accept	TCP	8088/8088	1	0.0.0.0/0	port-server
intranet	ingress	Accept	TCP	443/443	100	0.0.0.0/0	owgw-ui