

# Huawei Agile Controller-Campus Ordering Guide

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**HUAWEI TECHNOLOGIES CO., LTD.**





## Change History

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2014.6.20	V1.0	Completed Agile Controller V100R001C00.	Kangjinkun 00267757
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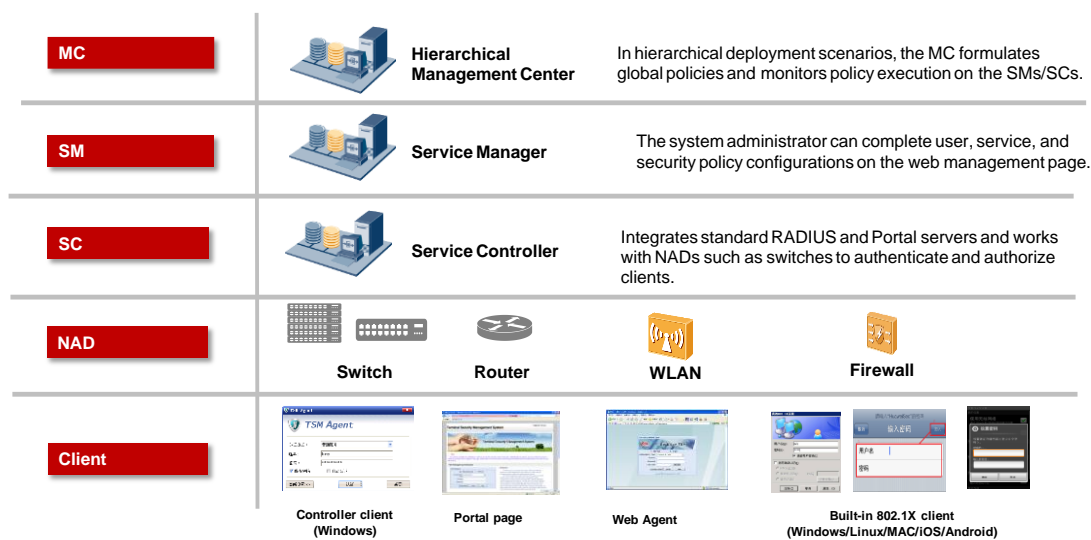
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# 1 Product Overview

## 1.1 Product Positioning

The Agile Controller-Campus is a campus policy control system developed by Huawei. It provides unified access and management for enterprise employees, guests, and device administrators and uniformly controls rights, quality of service (QoS), bandwidth, application, and security policies of campus users. The Agile Controller-Campus is applicable to various projects requiring identity authentication and authorization, covering the finance, government, education, healthcare, and hospitality industries.

## 1.2 Product Architecture



The Agile Controller-Campus architecture is composed of the Management Center (MC), Service Manager (SM), Service Controller (SC), network access device (NAD), and client components.

These components are described as follows:

### MC

In a hierarchical management scenario, the MC formulates global policies and monitors how these policies are executed on lower-layer SM and SCs.

### SM

The SM is responsible for service management. The system administrator can configure user,



service, and security policies on the web management page.

### SC

The SC integrates the functionalities of the standard RADIUS and Portal servers and associates with NADs such as switches to authenticate and authorize clients.

### NAD

NADs include switches, routers, WLAN devices, VPN gateways, and firewalls.

### Client

Clients include the dedicated client provided by the Agile Controller-Campus, Portal page, Web Agent, and built-in client of operating systems.

## 1.3 Reliability Description

As the network access authentication server, the Agile Controller provides identity authentication, network access control, and rights control functions. High reliability of the Agile Controller has a significant impact on the normal running of a network. The Agile Controller provides reliability solutions for the MC, SM, SC, and database. For more information, see *Agile Controller - Campus High Reliability Technology White Paper*.

## 1.4 Marketable Feature

The Agile Controller provides multiple service components to meet diverse customer requirements in different application scenarios.

Component	Description
Access management	This component implements a unified access management to control the network access for employees and guests, and provides flexible authentication and authorization policy management to meet the access control needs of different enterprises. It also features full lifecycle guest management, enables page customization in What You See Is What You Get (WYSIWYG) way, and supports social media authentication. This helps enterprises simplify Wi-Fi control and assists enterprises in advertising and marketing.
Free Mobility management	In combination with Huawei's agile switches, next-generation firewalls (NGFWs), and SVN gateways, this innovative and agile component provides policy orchestration based on two-dimensional matrices. It allows the unified planning and automatic deployment of rights, applications, bandwidth, QoS, and security policies based on security groups. It ensures that network-wide policies are uniform and allows



Component	Description
	users to enjoy the same user experience while on the move.
Service Chain management	This innovative and agile component allows the resource pooling of physical security devices, screens specific physical forms and locations, and creates a security resource center. It sends traffic to the security resource center according to service requirements, where the traffic is inspected and processed. This increases the usage of physical resources and reduces network construction costs.
TACACS management	Using the TACACS protocol, this component uniformly verifies all administrative users attempting to access devices, offers fine-grained authorization of configuration commands on each device, and audits and traces configuration changes of network devices.

## 2 Product Ordering Guide

The Agile Controller sales items include software, hardware, outsourced components, customized development, version upgrades, and services.

### 2.1 Software

The Agile Controller software is sold by component.

Component	Sales Mode	Description
Access management	By the function items and terminal quantity	<ol style="list-style-type: none"><li>1. The terminal quantity indicates the total number of terminals connected to the network, including PCs, tablets, mobile phones, IP phones, and printers. Users can be classified into employees, guests, and operations and maintenance (O&amp;M) personnel.</li><li>2. Terminals use licenses when they are connected to the network, and releases licenses when disconnected from the network.</li><li>3. When a user connects to the network from multiple terminals such as the PC, tablet, and mobile phone, the user uses multiple licenses.</li></ol>
Free mobility management	By the function items	As Free Mobility management relies on access management, you have to purchase access management before purchasing Free Mobility management.
Service chain	By the function	As Service Chain management relies on Free



Component	Sales Mode	Description
management	items	Mobility management, you have to purchase Free Mobility management before purchasing Service Chain management.
TACACS management	By the function items	<ol style="list-style-type: none"><li>1. As TACACS management relies on access management, you have to purchase access management before purchasing TACACS management.</li><li>2. When the Agile Controller-Campus provides the TACACS management function for terminals, terminals also require access management licenses.</li></ol>

### Precautions

1. The Agile Controller-Campus client is not charged separately.
2. In Agile Controller-Campus V100R003 and later versions, access control management and guest management are combined into access management.
3. In Agile Controller-Campus V100R003 and later versions, the license + subscription and support (SnS) annual software charging mode is adopted.

#### 2.1.1 Access Management

External Model No.	Description
AM-FUN	Access Management Function
AM-50	Terminals of Access Management Function,Including 50 Access Terminals License
AM-200	Terminals of Access Management Function,Including 200 Access Terminals License
AM -500	Terminals of Access Management Function,Including 500 Access Terminals License
AM -1000	Terminals of Access Management Function,Including 1000 Access Terminals





	License
AM -2000	Terminals of Access Management Function,Including 2000 Access Terminals License
AM -5000	Terminals of Access Management Function,Including 5000 Access Terminals License
AM -10000	Terminals of Access Management Function,Including 10000 Access Terminals License
AM -50000	Terminals of Access Management Function,Including 50000 Access Terminals License

### 2.1.2 Free Mobility Management

External Model No.	Description
FM-FUN	Free Mobility Function

### 2.1.3 Service Chain Management

External Model No.	Description
SO-FUN	Service Orchestration Function

### 2.1.4 TACACS Management

External Model No.	Description
TC-FUN	TACACS Function

## 2.2 Hardware

The Agile Controller runs on standard servers, which can be purchased from Huawei or provided

by the customer.

### Server hardware configuration requirements

The Agile Controller-Campus can be deployed on physical servers or virtual machines (VMs).

Platform	Physical Server	VM (VMware 5.5)
Windows	CPU: 2 x 8 Core 2.1 GHz (E5-2620 V4) Memory: 32 GB Hard disk: 2 x 600 GB Network adapter: 4 x GE	CPU: 3 x 8 Core 2.1 GHz, exclusive mode Memory: 48 GB Hard disk: 2 x 600 GB Network adapter: 4 x GE
Linux (single node)	CPU: 2 x 8 Core 2.1 GHz (E5-2620 V4) Memory: 32 GB Hard disk: 2 x 600 GB Network adapter: 4 x GE	CPU: 3 x 8 Core 2.1 GHz, exclusive mode Memory: 48 GB Hard disk: 2 x 600 GB Network adapter: 4 x GE
Linux (HA)	CPU: 2 x 8 Core 2.1 GHz (E5-2620 V4) Memory: 32 GB Hard disk: 2 x 600 GB + disk array Network adapter: 6 x GE	CPU: 3 x 8 Core 2.1 GHz, exclusive mode Memory: 48 GB Hard disk: 2 x 600 GB + disk array Network adapter: 6 x GE

The Agile Controller-Campus supports Windows and Linux operating systems.

Platform	Software	Available Environment	Remarks
Windows	Operating system	Windows Server 2012 R2 Standard 64-bit	Recommended
		Windows Server 2008 R2 Standard 64-bit	
	Database	SQL Server 2012 R2 Standard 64-bit	Recommended
		SQL Server 2008 R2 Standard 64-bit	
Linux	Operating system	SUSE Linux 11 SP3 64-bit	
	Database	Oracle 11G R2	

The Agile Controller-Campus provides an HA capability.

HA	Windows	Linux
MC	Not supported	The Linux MC uses Keepalived technology to implement active/standby switchover.
SM	Not supported	The Linux SM uses Keepalived technology to implement active/standby switchover.



HA	Windows	Linux
SC	The Windows SC uses a backup solution based on a resource pool to implement HA. In this solution, N+1 SC servers need to be deployed.	The Linux SC uses a backup solution based on a resource pool to implement HA. In this solution, N+1 SC servers need to be deployed.
Database	The Windows platform uses SQL Server database mirroring technology to implement HA. The principal, mirror, and witness databases need to be deployed.	The Linux platform uses Real Application Clusters (RAC) to implement hot backup. The disk array needs to be deployed for data storage.

### 2.2.1 RH2288 Server

External Model No.	Description
ACCBSERVER01	Single Server RH2288H V3 (2*E5-2620 V4 CPU,2*16GB Mem,2*600GB 2.5inch,4*GE,LSI3008,2*460W PS,Guide rail)
ACCBSERVER02	Single Server RH2288H V3 (2*E5-2620 V4 CPU,2*16GB Mem,2*600GB 2.5inch,6*GE,LSI3008,2*460W PS,Guide rail)

### 2.2.2 Disk Array

External Model No.	Description
ACCBOSTOR01	OceanStor 2600 V3,STLZCG6SPE,2600 V3(2U,Dual Ctrl,AC,64GB,2*6*G E,12*3.5" 2T,SPE23C0212)

#### Precautions

1. Disk array is used in the two-node cluster scenario on the Linux platform.

### 2.2.3 Operating System and Database

External Model No.	Description
GW2012L21	Windows Server 2012 R2,English,Standard,x86,64bit,General



	OEM,COA Lic,2 physical processors,2 virtual instances,DVD,without product services,no CAL
GW2016L03	Client Access License (CAL),1 User,for Windows Server 2016/2012R2/2012,English Edition,General OEM,COA Lic,No Product Service,No Product Service
GSQLSER14	Microsoft SQL Server 2012, English-language, Standard Edition, 1 CAL, for Windows,64bit, SQL2012 Std Embedded OEM COA Lic, SQL2012 CD, No Doc, Without Product Services
GSQLSER16	Microsoft User Client Access License for Microsoft SQL Server 2012-Embedded OEM,Multi-language,5 User CAL,COA License,No Media Kit,No Doc,Without Product Services
SC1GSUSE1100	Novell SuSE Linux Enterprise Server 11.0,Multi-language,Paper License,for x86 32/64bits, Media Kit(64bit) 1DVD,English Doc.,1 Yr 7*24 Product Services,Limited in 8 CPUs /8 Blades
GADMSMS00	Application Data Management Software Package(1-11S), 1 Year Standard Product Services

### Precautions

1. GW2016L02 indicates the client access license (CAL) of the Windows Server operating system. This license limits the number of clients from which network administrators remotely log in to the operating system. This license is not required for login to the Agile Controller-Campus. The default value is 1, indicating that only one network administrator is allowed to log in to the operating system at a time. If multiple network administrators want to log in to the operating system simultaneously, modify the value of this item.
2. GSQLSER16 indicates the CAL of the SQL Server database. This license limits the number of clients from which network administrators remotely log in to the database. This license is not required for login to the Agile Controller-Campus. The default value is 1, indicating that only one network administrator is allowed to log in to the database at a time. If multiple network administrators want to log in to the database simultaneously, modify the value of this item.

## 2.3 Outsourced Components

Outsourced components include the SMS modem and antivirus software.

### 2.3.1 SMS Modem

The Agile Controller can connect to SMS modems or SMS gateways to send SMS messages. If you want to use an SMS modem, select it from the UniSTAR. If you want to use an SMS gateway, purchase it through other methods. For details, see precautions in section 2.4 "Customized Development."

External Model No.	Description
Modem	MODEM, Wireless GPRS, Radio Interface, External, 100~240VAC To 12V DC Adapter, Plug 5.5x2.1mm, English/Chinese Document, RS232 Serial Port

#### Precautions

SMS gateways are recommended in large-scale scenarios such as stadiums and public places, because SMS modems cannot meet the requirements due to frequency limitations.

### 2.3.2 Antivirus Software

To meet security requirements, antivirus software must be installed to secure the Agile Controller servers. If you select servers on the UniSTAR, Trend Micro OfficeScan (Windows operating system) is automatically selected for you.

Trend Micro OfficeScan can secure Agile Controller servers. If you do not require antivirus software, deselect it.

External Model No.	Description
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G0DVSC110	Trend Micro OfficeScan Client/Server Version, Chinese/English, V11.0 Plus, 10 User, for Windows, Electronic License, No Media, Paper Doc, 1 Year 7*24 Standard Services
ST8SSERVICE9	Outsourcing Product Service, Software Service, Trend Micro, 05280272, Original Manufacture Service, 1 Year, 7*24 Standard Service, 10 users

## 2.4 Customized Development

Customized development includes interconnection to SMS gateways, Portal page customization, and software customization.

### Precautions

1. The Agile Controller can connect to SMS gateways provided by Zhejiang Hoping Technology, Beijing Harmony Technology Co., LTD, Roya MAS, and Jassonsoft by default. The SMS gateways from the four vendors are recommended, and customized development fees are not required. If the customer uses SMS gateways from other vendors, customized development fees are required for interconnection between the gateway and Agile Controller.
2. The Agile Controller supports Portal page customization in the What You See Is What You Get (WYSIWYG) way. Customers are commended to customize Portal pages by themselves. One Portal page customization item includes a set of twelve templates for large-screen PCs and tablets and small-screen mobile phones, including the authentication page, authentication success page, registration page, registration success page, user notice page, and full screen advertisement page. If a customer wants to customize multiple sets of templates for different users, the customer needs to quote multiple Portal page customization items.
3. This item is available for other customizations apart from customizations of the Portal page and SMS gateway interconnection. Before quoting, contact the R&D department to determine the content to be customized and retain the communication emails. The R&D department will not accept customization requirements that are not confirmed in advance.



External Model No.	Description
NSHSCUSTOM01	Software Customize Development Fee(Man/Day)
CUST-SMS	Customized Development Fee for SMS Gateway
CUST-PAGE	Portal Customized Development Fee(Per Page)

## 2.5 Version Upgrades

This item charges for software version upgrades.

External Model No.	Description
AC-UPDATE-PL	Software update fee(per 10000 Terminals)

### Precautions

The Agile Controller is partially compatible with earlier versions, and some rarely used specifications in the earlier versions will be deleted. If your customer wants to upgrade an earlier version to the latest version, report a solution to the Agile Controller project support contact. You can provide the quotation and upgrade operations only after the solution passes evaluation.

## 2.6 Services

This item charges for project implementation and maintenance services.

# 3 Quotation Guide for a New Project

## 3.1 Data Preparation

Configuration Item	Mandatory	Description
Access management component	<input type="checkbox"/> Yes    Quantity: _____ <input type="checkbox"/> No	Maximum number of online terminals that access the network, including PCs, tablets, phones, IP phones, and IP printers. End users include



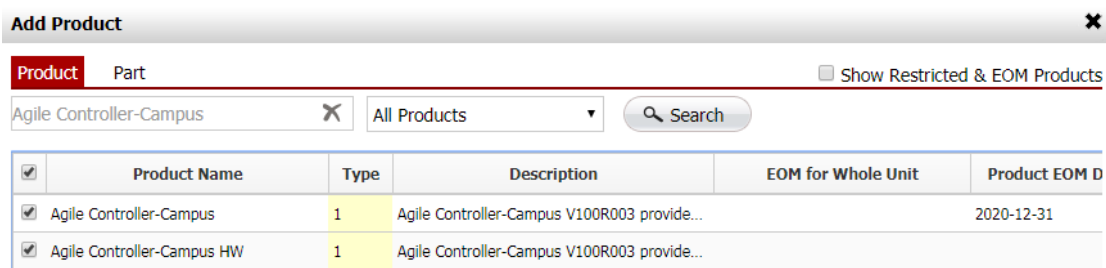
		employees, O&M personnel, and guests.
Free Mobility component	<input type="checkbox"/> Yes <input type="checkbox"/> No	Works with Huawei agile switches, NGFW firewalls, and SVN gateways to implement unified policy planning and deployment over the entire network.
Service Chain component	<input type="checkbox"/> Yes <input type="checkbox"/> No	Works with Huawei agile switches and NGFW firewalls to implement security resource pooling.
TACACS management component	<input type="checkbox"/> Yes <input type="checkbox"/> No	Enables O&M personnel to log in to network devices to implement authentication and command authorization through TACACS.
SnS duration	<input type="checkbox"/> 1 year <input type="checkbox"/> 3 years <input type="checkbox"/> 5 years	
Northbound interface	<input type="checkbox"/> Yes <input type="checkbox"/> No	Be used to provide the Webservice interfaces when the Agile Controller-Campus interconnects with a third-party system.
Huawei server	<input type="checkbox"/> Yes <input type="checkbox"/> No	The number of servers is automatically calculated on the UniSTAR.
Operating system and database	<input type="checkbox"/> Windows+SQL Server <input type="checkbox"/> Linux+Oracle	The Linux platform supports SM HA, but the Windows platform does not.
SM HA	<input type="checkbox"/> Yes <input type="checkbox"/> No	This item is available only after you select Linux+Oracle.
SC HA	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Database HA	<input type="checkbox"/> Yes <input type="checkbox"/> No	This item is available only after you select Windows+SQL Server.
Antivirus software	<input type="checkbox"/> Yes <input type="checkbox"/> No	This item is available only after you select Windows+SQL Server.
SMS modem	<input type="checkbox"/> Yes Quantity: _____ <input type="checkbox"/> No	If a site outside China has purchased the SMS Modem, the site must purchase the matching power adapter locally.
Portal page customization	<input type="checkbox"/> Yes Quantity: _____ <input type="checkbox"/> No	1. The Agile Controller can connect to SMS gateways provided by Zhejiang Hoping Technology, Beijing Harmony Technology Co., LTD, Roya MAS, and JassonSoft by default. Customers are recommended to purchase SMS gateways from the four vendors, and no customized development fee is required.





		2. If the customer uses SMS gateways from other vendors, the customized development fee is required for interconnection between the gateway and Agile Controller.
SMS gateway customization	<input type="checkbox"/> Yes    Quantity: _____ <input type="checkbox"/> No	This item is available for other customizations apart from customizations of the Portal page and SMS gateway interconnection. Before quoting, contact the R&D department to determine the content to be customized and retain the communication emails. The R&D department will not accept customization requirements that are not confirmed in advance.
Other customizations	<input type="checkbox"/> Yes    Description: _____ <input type="checkbox"/> No	

### 3.2 Adding Product Nodes




To quote the Agile Controller-Campus, you need to add the following two nodes on the UniSTAR.

Node	Description
Agile Controller-Campus	This node includes the software, license, SnS, northbound interface, customization, and software upgrade.
Agile Controller-Campus HW	This node includes the hardware server, operating system, database, outsourced components, and services.





### 3.3 Quoting the Agile Controller-Campus

#### 3.3.1 Selecting the Type (New) and Product Version

Parameter	Preference	Suggestion	Setting
New or Expand		New Site	New Site
Select the target version		V100R003	V100R003

Note: On the UniSTAR, the help button  provides many operating instructions, which can help you order the Agile Controller.

#### 3.3.2 Selecting the Software and License

Software and License			
Access Management Function			
Enable Access Management Function or not		No	Yes
Select the quantity of Access Management Function		None	1000 Terminals
Quantity of Access Management 1000 Terminals		1	1
Free Mobility Feature			
Enable Free Mobility Function or not		No	No
Service Chain Feature			
Enable Service Chain Feature or not		No	No
Tacacs Feature			
Enable Tacacs Function or not		No	No

#### 3.3.3 Selecting the SnS

Subscription and Support			
Years of Subscription and Support		1 Year	1 Year

#### 3.3.4 (Optional) Selecting the Northbound Interface

NBI			
Need NBI or not		No	No

#### 3.3.5 (Optional) Selecting Customized Development Items

Customize Development			
Quantity of Customize Development fee For Short Message Gateway		0	0
Quantity of Portal Customize Development fee(Per Page)		0	0
Quantity of Software Customize Development Fee(Man/Day)		0	0

### 3.3.6 (Optional) Selecting Version Upgrade

Update Fee			
Quantity of Software update fee(per 10000 Terminals)	?	0	0

## 3.4 Quoting the Agile Controller-Campus HW

### 3.4.1 Selecting the Type (New) and Product Version

Parameter	Preference	Suggestion	Setting
New or Expand		New	New
Select the target version		V100R003	V100R003

### 3.4.2 Entering the Number of Licenses Required by Access Terminals

Quantity of Access terminal license(If you want to configure multiple sets of Agile Con...	?	0	5000
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### 3.4.3 Specifying Whether to Select Terminal Security Management

Need Terminal Security Management Function or not		No	No
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### 3.4.4 Configuring Hardware Server Parameters

Hardware Service(Include OS and DB)			
Need Hardware Server or not	?	Yes	Yes
Type of Server		Rack server(RH2288H V3,2"E5-26...	Rack server(RH2288H V3,2"E5-...
Type of Operating System and Database(Do not deploy any other service system a...	?	Windows+SQL	Windows+SQL
Need Service Controller High Availability or not	?	No	No
Need Database Backup or not	?	No	No

### 3.4.5 (Optional) Selecting Outsourced Components

Auxiliary Equipment			
Input the quantity of Wireless Modem	?	0	0
Please select the type of C13 Wall Plug power cord	?	Europe	Europe
Anti-Virus software			
Input the quantity of Trend Anti-Virus Software(Software contains 1 year service ...	?	1	1
Additional virus database upgrading service years(Software license have containe...	?	1	1



### 3. 4. 6 (Optional) Configuring Service Parameters

Parameter	Setting
Need technical support service ( maintenance service ) ?	Yes
Need installation service?	Yes
<b>Security Technical Support Service of Server (Oversea Hardware)</b>	
<b>Technical Support Service</b>	
Type	Hi-Care
Level	Hi-Care Onsite Standard 9x5xNBD Engineer Onsite Service
Duration(Year(s))	3
Duration(Month(s))	0
<b>NMS and AppSoft Installation Service</b>	
Installation Type	Installation Service - Engineering

If customers use hardware servers purchased by themselves, you do not need to select hardware servers.

## 4 Quotation Guide for an Expansion Project(V100R003)

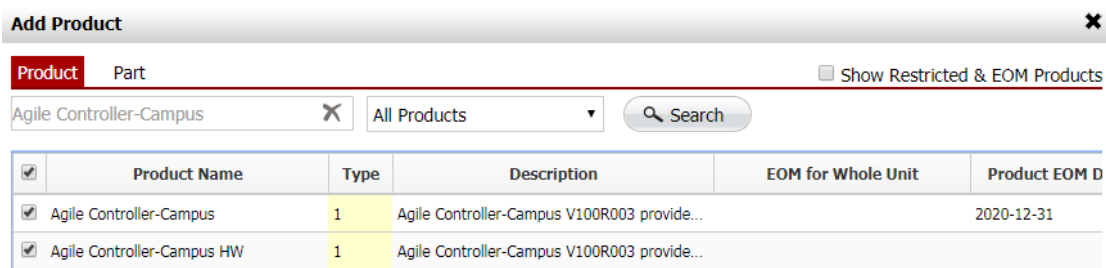
### 4. 1 Data Preparation

Configuration Item	Mandatory	Description
Access management component	<input type="checkbox"/> Yes Quantity: _____ <input type="checkbox"/> No <input type="checkbox"/> Quantity if this feature is available on the live network: _____	Maximum number of online terminals that access the network, including PCs, tablets, phones, IP phones, and IP printers. End users include employees, O&M personnel, and guests.
Free Mobility component	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Available on the live network	Works with Huawei agile switches, NGFW firewalls, and SVN gateways to implement unified policy planning and deployment over the entire network.
Service Chain component	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Available on the live network	Works with Huawei agile switches and NGFW firewalls to implement security resource pooling.
TACACS management component	<input type="checkbox"/> Yes <input type="checkbox"/> No	Enables O&M personnel to log in to network devices to authenticate users and authorize



	<input type="checkbox"/> Available on the live network	commands through TACACS.
SnS duration	<input type="checkbox"/> 1 year <input type="checkbox"/> 3 years <input type="checkbox"/> 5 years	
Northbound interface	<input type="checkbox"/> Yes <input type="checkbox"/> No	Be used to provide the Webservice interfaces when the Agile Controller-Campus interconnects with a third-party system.
Huawei server	<input type="checkbox"/> Yes <input type="checkbox"/> No	The number of servers is automatically calculated on the UniSTAR.
Operating system and database	<input type="checkbox"/> Windows+SQL Server <input type="checkbox"/> Linux+Oracle	The Linux platform supports SM HA, but the Windows platform does not.
SM HA	<input type="checkbox"/> Yes <input type="checkbox"/> No	This item is available only after you select Linux+Oracle.
SC HA	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Database HA	<input type="checkbox"/> Yes <input type="checkbox"/> No	This item is available only after you select Windows+SQL Server.

## 4.2 Adding Product Nodes





To quote the Agile Controller-Campus, you need to add the following two nodes on the UniSTAR.

Node	Description
Agile Controller-Campus	This node includes the software, license, SnS, northbound interface, customization, and software upgrade.
Agile Controller-Campus HW	This node includes the hardware server, operating system, database, outsourced components, and services.






### 4.3 Quoting the Agile Controller-Campus

#### 4.3.1 Selecting the Type (Expansion) and Product Version


Parameter	Preference	Suggestion	Setting
New or Expand		New Site	Expansion
Select the target version		V100R003	V100R003

Note: On the UniSTAR, the help button  provides many operating instructions, which can help you order the Agile Controller.

#### 4.3.2 Selecting the Software and License

==Software and License==			
====Access Management Function====			
Enable Access Management Function or not		No	Yes
Whether the current network has been deployed Visitor Management Function		No	No
Select the quantity of Access Management Function		None	1000 Terminals
Quantity of Access Management 1000 Terminals		1	1
====Free Mobility Feature====			
Enable Free Mobility Function or not		No	No
====Service Chain Feature====			
Enable Service Chain Feature or not		No	No
====Tacacs Feature====			
Enable Tacacs Function or not		No	No

#### 4.3.3 Selecting the SnS

==Subscription and Support==			
Years of Subscription and Support		1 Year	1 Year
▶====Access Management Function SnS====			
▶====Free Mobility Feature SnS====			
▶====Service Chain Feature SnS====			
▶====Tacacs Feature SnS====			

#### 4.3.4 (Optional) Selecting the Northbound Interface

==NBI==			
Need NBI or not		No	No

### 4. 3. 5 (Optional) Selecting Version Upgrade

==Update Fee==			
Quantity of Software update fee(per 10000 Terminals)		0	0

## 4.4 Quoting the Agile Controller-Campus HW

### 4. 4. 1 Selecting the Type (Expansion) and Product Version

Parameter	Preference	Suggestion	Setting
New or Expand	New		Expand
Select the target version	V100R003		V100R003

### 4. 4. 2 Entering the Number of Available and Required Licenses

Quantity of expansion Access terminal license	0	1000
Quantity of Current network Access terminal license	0	5000

### 4. 4. 3 Specifying Whether to Select Terminal Security Management

Need Terminal Security Management Function or not	No	No
---	----	----

### 4. 4. 4 Configuring Hardware Server Parameters

==Hardware Service(Include OS and DB) ==			
Need Hardware Server or not		Yes	Yes
Type of Server		Rack server(RH2288H V3,2*E5-26...	Rack server(RH2288H V3,2*E5-...
Type of Operating System and Database(Do not deploy any other service system a...		Windows+SQL	Windows+SQL
Need Service Controller High Availability or not		No	No
Need Database Backup or not		No	No

====Auxiliary Equipment====			
Please select the type of C13 Wall Plug power cord		Europe	Europe

### 4. 4. 5 (Optional) Configuring Service Parameters

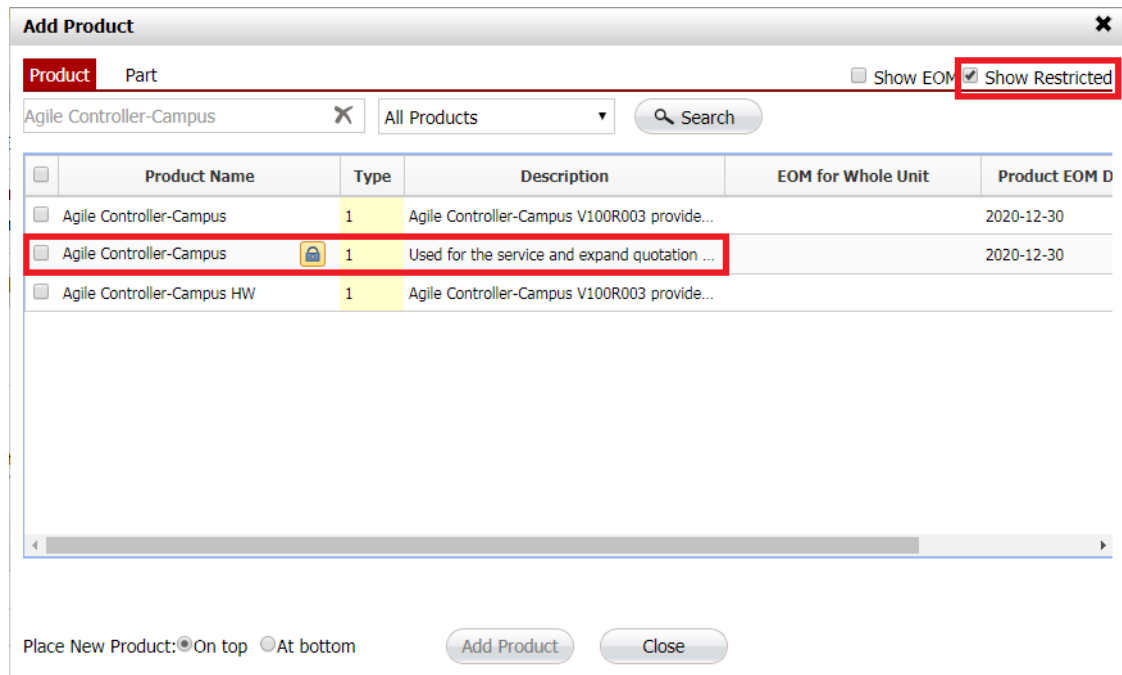
Parameter	Setting
Need technical support service ( maintenance service ) ?	Yes
Need installation service?	Yes
<b>Security Technical Support Service of Server (Oversea Hardware)</b>	
<b>Technical Support Service</b>	
Type	Hi-Care
Level	Hi-Care Onsite Standard 9x5xNBD Engineer Onsite Service
Duration(Year(s))	3
Duration(Month(s))	0
<b>NMS and AppSoft Installation Service</b>	
Installation Type	Installation Service - Engineering

If customers use hardware servers purchased by themselves, you do not need to select hardware

servers.

## 5 Quotation Guide of Historical Version (V100R002)

For V100R002 version expansion and renewal, when adding a product, you need to display the restricted product and choose Agile Controller-Campus V100R002.



**Add Product**

Product Part  Show EOM  Show Restricted

Agile Controller-Campus X All Products Search

<input type="checkbox"/>	Product Name	Type	Description	EOM for Whole Unit	Product EOM D
<input type="checkbox"/>	Agile Controller-Campus	1	Agile Controller-Campus V100R003 provide...		2020-12-30
<input type="checkbox"/>	Agile Controller-Campus	1	Used for the service and expand quotation ...		2020-12-30
<input type="checkbox"/>	Agile Controller-Campus HW	1	Agile Controller-Campus V100R003 provide...		

Place New Product:  On top  At bottom

Note: Please consult product Marketing Support Representatives and service representatives to get product and service BOM.