OnCell Central Manager

Centralized private IP software for large-scale OnCell device management



Features and Benefits

- Cost-effective private IP solution
- Manage, group, monitor, configure, and upgrade the firmware of all your devices from OnCell Central Manager
- · Visual overview of device status and flexible monitoring on various platforms
- · Grouping of user accounts and devices for effective access control

Introduction

Looking for an easy way to access network devices with private IP addresses over the Internet? Moxa's OnCell Central Manager supports using private IP addresses to lower your operational costs and reduce the time needed to set up a connection to your devices. Moxa's OnCell Central Manager offers an industrial-grade centralized solution that allows you to configure, manage, and monitor remote devices on a private network, over the web.

Due to the limited availability of public IP addresses, most cellular service providers only offer private IP addresses for mobile devices to connect to the Internet. However, the nature of private IP addresses makes it extremely difficult to access your cellular devices from a public network. This is where OnCell Central Manager comes in. OnCell Central Manager stands between you and your cellular devices and allows you to access your devices from anywhere on the Internet.

By providing a central point of access to remote devices, OnCell Central Manager makes it easy for you to manage multiple devices. Using a standard web browser, you can securely make configuration changes to a device, manage devices, and monitor device status. OnCell Central Manager helps you reduce maintenance costs. Since you can diagnose and solve problems from a central site, you won't need to make as many trips to remote locations. OnCell Central Manager can be hosted at a customer's central data center or through a Moxa partner's server, and can be accessed securely from anywhere across a wired or wireless IP network, including the Internet.



Easy Deployment

Private IP Solution

OnCell Central Manager provides a way to enable public domain access at no extra cost.



Remote Configuration and Firmware Upgrade

OnCell Central Manager can also remotely update firmware and supports mass device configurations, making the deployment of large numbers of devices quick and easy.



Smooth Operation

Easy-to-Use Interface

Quick sorting and filtering of devices as well as device status visualization provide operators with an efficient and easy way to check device statuses.



Port-Based Data Exchange

OnCell Central Manager provides data exchange capability between a remote center and field site by enabling exchange ports.



Firewall Friendly

OnCell Central Manager makes it easy for you to define all control ports and user ports, and change the ports if necessary.

Telnet			Change T	Change Telnet Port		Telnet	Reset Telnet	
Port: 0		Status:	Closed					
Operation Mo	de				Change	User Port	Reset OP Mode	
Status	Port	Port Type		OP Mode Se			Ethernet Port	
Registered	Com	Command		TCP Server			51049	
Registered	Data	Data		TCP Server			50025	
Service Forw	arding				Delete	Record	Reset Forwarding	
Status	Service Port	Protocol	LAN Device Nan	Device Nan LAN IP		Descrip	tion	
Registered	52076	TCP	OnCell#1hello0	1.1.1.1	2560	OnCell#	1hello0	



Troubleshooting

Easy to Troubleshoot

Cross checking the system log and the RSSI history of a device provides further information for troubleshooting device issues.



Note: Install the latest OnCell firmware to ensure that your OnCell devices support the RSSI monitoring function. Firmware for all Moxa products can be downloaded from Moxa's website.

Account Classification Management

OnCell Central Manager allows the administrator to assign different roles, give each account various access levels, and monitor the current status. Each account created can be assigned different access rights to the various groups.

•	CONSOLE					Ф Б 3	moxaiwOCM@gm ~	Ì	
ŧ	Programmable SMS	Messaging Geo	graphic F	Permissio	ns				
9	Dashboard		Fib	IF					
	Messaging Services	💌 ASIA							
•	Short Codes	Afghanistan (+93)							
	Tools	Armenia (+374)							
	Logs	Azerbaijan (+994)							
	Insights	Bahrain (+973)	Devices	User Ports	Serv	ice Forwarding	Firmware Upgrade	Remote SMS Con	trol
	Add-ons Beta	Bangladesh (+880)	Twilio Con	figuration					
	Usage	 Bhutan (+975) 		Twilo accou					
	Settings	✓ Brunei (+673)						_	
	General	Cambodia (+855)		Twilio auth					
	Geo Permissions	China (+86)		Twilio					
	Getting Started	East Timor (+670)		Remember ac	count:	\checkmark			
		Georgia (+995)						ок	
		Hong Kong (+852)	Doesn't	have Twilio ac	ount?	Register			
	Tailio © 2016	✓ India (+91)							
	Privacy & Terms				_				

Specifications

Hardware Requirements

Host System	Intel® i5 or above (64-bit recommended)
Your host hardware must meet the following minimum requirements	4 GB RAM (or greater)500 MB of free disk space
Software Requirements	
Operating System	32-bit OS: Windows Server 2012, Windows 7, Windows 8, Windows 10 64-bit OS: Windows Server 2012, Windows 7, Windows 8, Windows 10
Browser	OnCell Central Manager Browser Note: Adobe Flash is required for installing OnCell Central Manager. As of January 12th, 2021, Adobe Flash Player is no longer supported by Adobe and all standard browsers.

Ordering Information

Model Name OnCell Central Manager



SMS Remote Control

OnCell Central Manager uses a third-party cloud service to send SMS control commands to OnCell devices to remotely reboot, initiate data connections, and perform firmware upgrades.

User Information			Add Ed	it Delete Reloz	d Accessible Groups
Login Account	User Name	Role	Parent	Status	Friit 🗹 Expand A
admin	admin	Admin	system	enable	V 🗁 Groups
user1	user1	Super User	admin(admin)	enable	East
					v Cost
					20 N-1
Account	: • I				≥ N-2
User name					😁 Other
Password					South
Confirm password					😁 West
Role	Super User	•			
Parent	: * admin(admin)-Admi	in 🗐			
Enable account	ti 🗹 Enable				
Groups	5	elected Groups			
T Croups		Selected Groups			
🗁 East	->				
► 😁 North	<-				
Contraction of the Contraction o					
Bouth South					
- west					

Note: The Twilio SMS service only supports the OnCell G3150A-LTE. **Device Group Management**

By using the flexible device grouping function, operators can organize OnCell devices into different groups for easy monitoring of device statuses for different applications.

Server •		Device Group Management				
Overview Control Ports/User Ports In	vo.	Groups		Expand Al Add Remo	Rename	Release
Change Password						
Vevice Group Management		V Croups				
ccount Management		* Posth				
		N-1				
		Devices View All Devices •		Grouping	Remove	Reload
		Filter: Device Name			Filte	r Rese
		Device Name	Device MAC	LAN IP Address		
		OnCel_5104_0001	30:30:30:30:30:31	192.168.127.254		
		OnCel_5104_0004	30:30:30:30:30:34	192.168.127.254		
		OnCel_5104_0005	30:30:30:30:30:35	192.168.127.254		
		OnCel_5104_0002	30:30:30:30:30:32	192.168.127.254		
		OnCel_5104_0003	30:30:30:30:30:33	192.168.127.254		

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