

# Quick Start Guide

ARG600/ARR600 Wireless Gateway



- 1 LAN port(s)
- 2 SIM card slot(s)3 Console/serial port
- 4 DIP switches
- 5 Application serial port (RS2)
- 6 Antenna connector FME (male)
- 7 Power switch
- 8 Power supply 12...36 VDC, limited (<240VA) power source that fulfills the requirements of standard IEC 60950-1



I/O connector (only ARR600 models) 1 Power supply 12...48 VDC, limited (<240VA) power source that fulfills the requirements of standard IEC 60950-1 2 3 Console/serial port 4 Power switch Console/serial port switch 5 6 **DIP** switches 7 Application serial port (RS2) 8 LAN port(s) 9 Antenna connector SMA (female) SIM card slot(s) 10



### Power-up and SIM card installation

Insert the SIM card. Push the yellow button in the SIM card slot to eject the SIM card tray. Insert the SIM card to the tray (contacts facing up) and push it firmly and carefully back to its holder. Attach the power supply and switch the device on. Under normal circumstances, the device is able to automatically connect to the operator's cellular network. In problem situations you can log in to the Arctic Web user interface by using Web browser and navigating to Network  $\rightarrow$  Mobile WAN.

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If your SIM card requires a PIN code, do not install it before you have configured the Arctic device PIN code settings.

#### Login to the Arctic Web user interface

Connect the Ethernet cable between the Arctic device LAN port and your computer.

$\blacksquare$ $\blacksquare$ Device Login $\times$ + $\vee$		-		×
$\leftarrow$ $\rightarrow$ O $($ https://10.10.10/	=	h	ß	
Login Username arctic-adm Password •••••• Login				

Figure 1. Browser https example

Configure your computer to use the same IP address space as the Arctic device. For example, your computer IP could be 10.10.10.11 with netmask 255.255.255.0. Check the connection with the ping command.

Connect to the Arctic device using the Web browser. The default address of the Arctic device is <u>https://10.10.10.10/</u>. Remember to use **https** and not http.

Accept the self-signed certificate in the browser.

Log in to the device. The username is **arctic-adm** and the default password is **arcticm2m**.



It is highly recommended that the default password is changed before the product is connected to a public cellular network.

🖻 🖅 🗖 System:Welco	me Page $~ imes~+~ imes~$			-		×
$\leftarrow \rightarrow \circlearrowright   \otimes$	10.10.10.10/index.php	□ ☆	=	h	B	
	System:Welcor	ne Page	Log	ged in as	arctic-adn	n -
<i>/</i> \DD	System. Welcor	ne i age			Logo	<u>sut</u>
	Configuration Profile: Configuration	Device				5f
System	Welcome to Arctic configuration!					
Welcome Page	Hardware and Firmware	versions				
General Settings	Product name: Wireless Controller ARC600 (ARC600A2324NA)			IA)		
Time Status	Firmware version:	arctic3 firmware 3.4.1				
Network	Hardware revision:	0x20				
VPN	Hardware serial number	11352223				
Firewall	Device serial number:	1VHB91202021				

Figure 2. Welcome page in the ARG600 Web user interface

### Wireless network settings

Log in to the Arctic Web user interface using your Web browser.

Navigate to Network  $\rightarrow$  Mobile WAN.

Change the APN type from "Automatic" to "Manual".

Set the Access Point Name (APN) appropriately (usually INTERNET or operatorname.com). As this setting depends on your mobile operator, ensure the APN settings directly from the operator.

ABB	Network:M Configuration P Configuration	obile WAN (SIM 1)	Logged in as arctic-adm - <u>Logout</u> arctic-0297cf			
System Network Ethernet Ports	These settings define the Mobile WAN connection used to access the internet. These settings are not required if the Ethernet WAN only is used to access the internet. Basic Settings					
Ethernet LAN Ethernet WAN	Enable	Yes 🗸	Enable in order to use Mobile WAN (LTE/3G/EDGE/GPRS).			
Mobile WAN (SIM 1) Mobile WAN (SIM 2)	PIN Code		If the SIM card requires PIN code enter it here.			
WAN Failover	Network Login					
Monitor Static Routing SMS Config	APN Type	Automatic * 🗸	Mobile network Access Point Name type. * May not be available with all SIM cards.			
VPN Firewall Services Serial Port and I/O Tools [show all ]	APN	internet	Mobile network Access Point Name as specified by the network operator.			
	Authentication	None Y	Authentication method as specified by the network operator			
	Username	user	Mobile network user name as specified by the network operator.			
	Password	pass	Mobile network password as specified by the network operator.			

Figure 3. Mobile WAN settings

Set the other settings such as the PIN code, authentication, username and password if required by the operator's subscription.

Reboot the Arctic device and check the settings and the cellular network connection status from System  $\rightarrow$  Status.

Complete customer documentation is available in the product pages that can be accessed through **abb.com/** mediumvoltage

For more information, please contact

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