



Beijer CloudVPN Gateway Router User Guide

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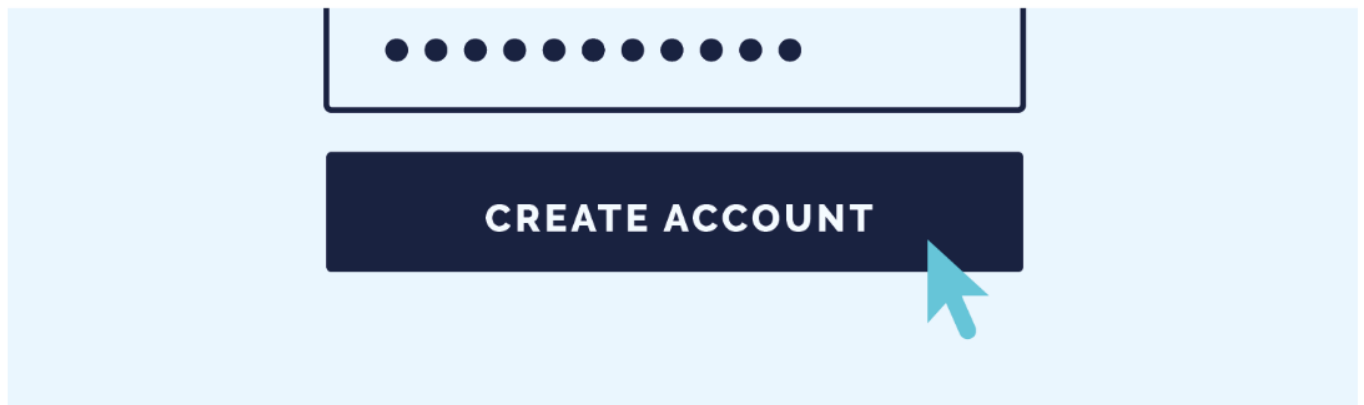
Beijer CloudVPN Gateway Router



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Create Your Account

Get started with the CloudVPN Gateway by creating an account on CloudVPN service in acirro+. Set up your own user and company account by visiting cloudvpn.acirroplus.com.



Get Config

Easily create the configuration file for your CloudVPN Gateway from your own user. Just go to Tools > Start configuration and start the self-explaining wizard. Save the downloaded file to a USB flash drive (we do not include USB Drive) using the exact filename [router.conf](#).



Get Config

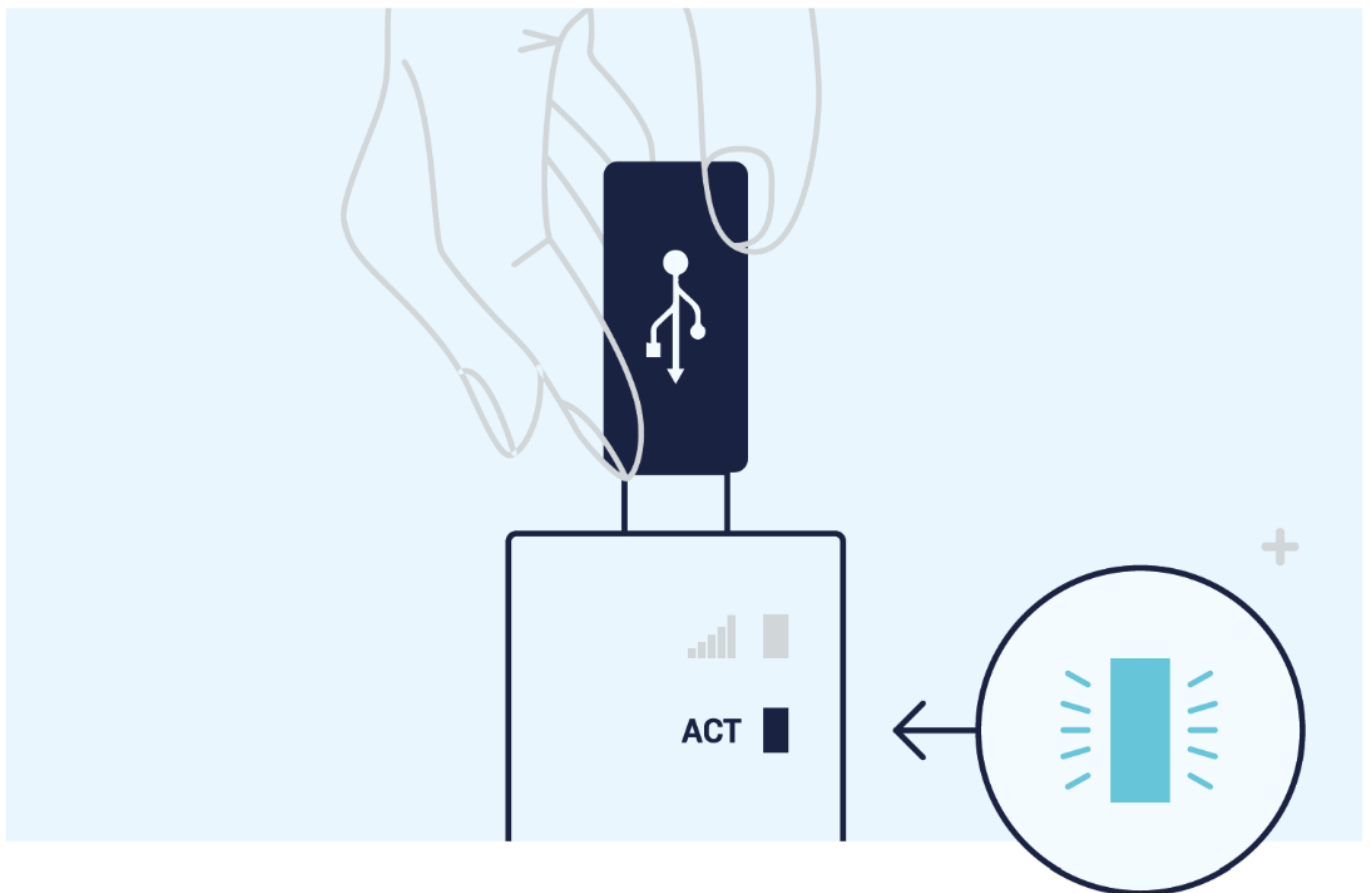
No matter your situation, you can always connect your machine to the cloud. The CloudVPN Gateway provides wired (Ethernet), 4G or Wi-Fi connectivity options.

Registration starts immediately upon inserting the USB flash drive. Once the ACD led status is steady blue, the CloudVPN Gateway is connected to the CloudVPN service in acirro+ and will automatically show up in your company account.



IMPORTANT

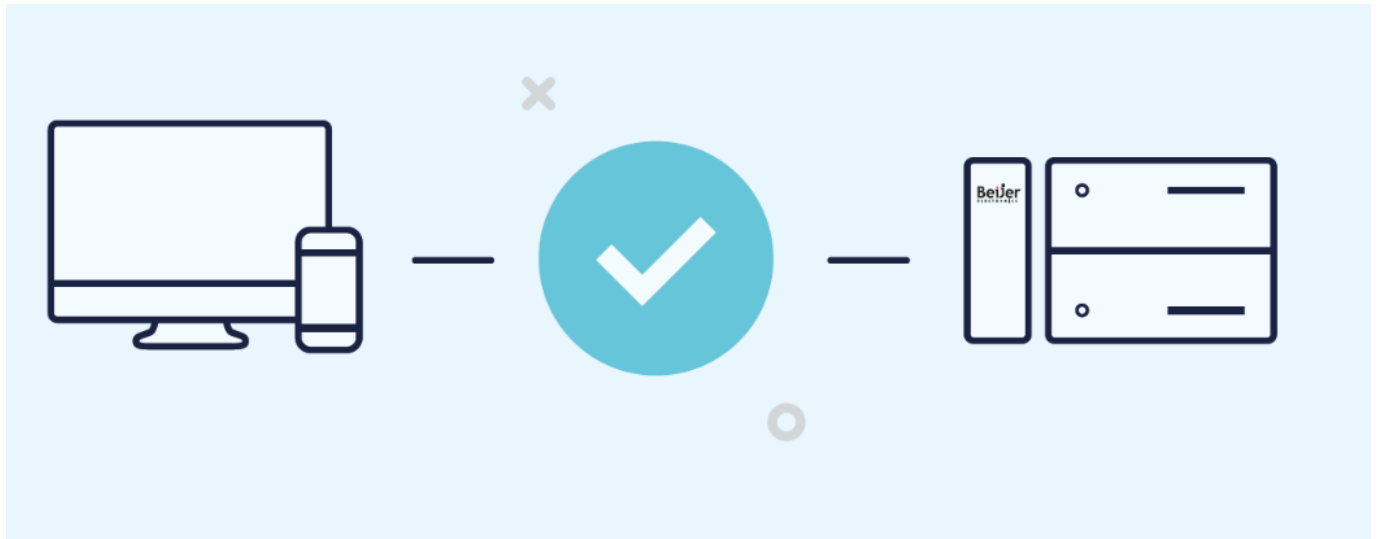
Only insert the SIM card when the CloudVPN Gateway is turned off.



Ready. Set. Go!

You have now successfully installed your CloudVPN Gateway. The CloudVPN Gateway is designed for and seamlessly integrated with the CloudVPN service in acirro+.

Any further configuration can be handled from your own IIoT account. The CloudVPN service in acirro+ offers a multitude of services. Deliver remote service, monitor your machine, set up alerts, and create high-end data reports.







Troubleshooting Front Panel LEDs

LED Status Indicators

The CloudVPN Router has two LEDs for router status: one signal LED (3G, 4G, Wi-Fi signal) and one activity LED. The CloudVPN Router requires approximately 2 minutes to boot up and set up a secure connection.










Signal LED

Signal	Colour	Description
	Blinking blue	Initializing cellular module
	Blinking red 1 pulse	No reception or unable to connect to network (APN or SSID may be incorrect)
	Blinking red 2 pulses	PIN invalid or PUK required (a phone is required to unlock SIM card with PUK)
	Blinking red 4 pulses	SIM card is invalid or missing

Signal	Colour	Description
	Constant red	Connected, poor reception
	Constant purple	Connected, medium reception
	Constant blue	Connected, good reception

Activity LED

Signal	Colour	Description
	Constant red	Booting up (<i>may take 1-2 min</i>) or not yet registered

Signal	Colour	Description
	Blinking red 1 pulse	Waiting for internet access
	Blinking red 3 pulses	LAN/WAN conflict (conflicting subnets)
	Blinking red 4 pulses	Removed from the platform (re-insert USB flash drive to register again)
	Blinking red 5 pulses	Previously registered to the acirro+ remote access (remove from the acirro+ remote access and register again)
	Blinking blue 1 pulse	Connecting to the acirro+ remote access
	Blinking blue 2 pulses	Setting up a VPN connection
	Constant blue	Active VPN connection to the acirro+ remote access

Reset To Factory Default Settings



WARNING

The following action cannot be undone! All settings will be reset to factory default.




The CloudVPN Router can be reset to the factory default settings by pressing and holding the reset button on top for 5 seconds. The ACT LED will blink while the reset button is pressed. Upon release of the button, the ACT LED will rapidly blink if the button was pressed long enough to trigger a reset. Wait for the CloudVPN Router to restart. You can then configure the CloudVPN Router again.



REMOVE PREVIOUS REGISTRATION

If the CloudVPN Router was previously registered on the acirro+ remote access you'll have to remove it from the acirro+ remote access before you can register it again.

General Specifications

Ports	5x GbE (4x LAN, 1x WAN), 1x USB 2.0
Power supply	12-24 VDC +/- 20% LPS 2A
Power consumption	10 W max, about 2.5-5W* idle
Temperature range	-20 °C to + 65 °C
Dimensions	111 x 95 x 28 mm
Physical specs	Metal case, IP20, DIN rail mountable
Certifications	  
Warranty	Two years
CloudVPN service in acirro +	Lifetime access included
* Variant dependent: Ethernet only (2.5W), other variants (5W).	

Warning

The CloudVPN Gateway allows the user to remotely connect to industrial control equipment via Ethernet, Wi-Fi, and cellular network connections. The remote user may fully operate and monitor the local control system and affect the function and control of the application, similar to a local operator. Proper Control, Security and Safety procedures should be considered and implemented when utilizing the remote access feature.

Wi-Fi and 4G Models

The antenna used with this transmitter must be installed with a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antennas or transmitters.

Only an antenna tested with the wireless transmitter or a similar with equal or lesser gain may be used.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Connectivity Specifications

Model	Wi-Fi	Cellular
CloudVPN Gateway Eth		
CloudVPN Gateway Eth + LTE		Region: Worldwide LTE: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B13 / B18 / B19 / B20 / B25 / B26 / B28 / B38 / B39 / B40 / B41 WCDMA: B1 / B2 / B4 / B5 / B6 / B8 / B19 GSM: B2 / B3 / B5 / B8
CloudVPN Gateway Eth + Wi-Fi	802.11b/g/n Client + AP mode	
CloudVPN Gateway Eth + Wi-Fi + LTE	802.11b/g/n Client + AP mode	Region: Worldwide LTE: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B13 / B18 / B19 / B20 / B25 / B26 / B28 / B38 / B39 / B40 / B41 WCDMA: B1 / B2 / B4 / B5 / B6 / B8 / B19 GSM: B2 / B3 / B5 / B8

Additional Help and Support

For additional product support and specifications, please visit cloudvpn.beijerelectronics.com for further details.

CUSTOMER SUPPORT

Head Office
Beijer electronics AB
 Box 426201 24 Malmö, Sweden
www.beijerelectronics.com / +46 40 358600



Documents / Resources

<p>CloudVPN Quick Start Guide</p>	<p>Beijer CloudVPN Gateway Router [pdf] User Guide</p> <p>CloudVPN Gateway Router, CloudVPN, Gateway Router, Router</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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