

Industrial Networking

December 2018

TC Cloud Client 4G LTE

Affordable, simple, and secure remote access

The next big thing for mGuard Secure Cloud connectivity and the Industrial Internet of Things

TC Cloud Client

TC Cloud Client devices are industrial virtual private network (VPN) gateways approved for use on the 4G LTE Verizon and AT&T cellular networks. The device is designed to easily, affordably, and securely provide remote connectivity to devices and machines through the award-winning mGuard Secure Cloud.

The TC Cloud Client is optimized for quick startup in the field and error-free, autonomous operation. The TC Cloud Client leverages the mGuard Secure Cloud to provide users remote access to their devices, without the need for deep networking knowledge. Simply create a configuration for the TC Cloud Client on the mGuard Secure Cloud and get connected to any remote device within minutes!



Benefits

- 24/7 access and control of remote machines via the AT&T or Verizon cellular network
- Secure VPN connections to remote equipment without purchasing a static IP address or custom APN
- Save time and money through reduced downtime and efficiency optimization
- Commission new machines or update existing programs via the cloud
- Create new business opportunities and generate revenue for OEM machine builders

Features

- 4G LTE connection through Verizon or AT&T
- Device configuration via web-based management or microSD card
- Cloud-based and highly secure IPsec VPN technology from Phoenix Contact
- Turnkey VPN infrastructure for operators, machine builders, and systems manufacturers
- Two local Ethernet connections for device connectivity and onsite access
- One digital input and one digital output for alerts and control
- Data speeds up to 150 Mbps download and 50 Mbps upload
- Support for mobile, iOS-based devices, such as Apple iPads and iPhones

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mGuard Secure Cloud

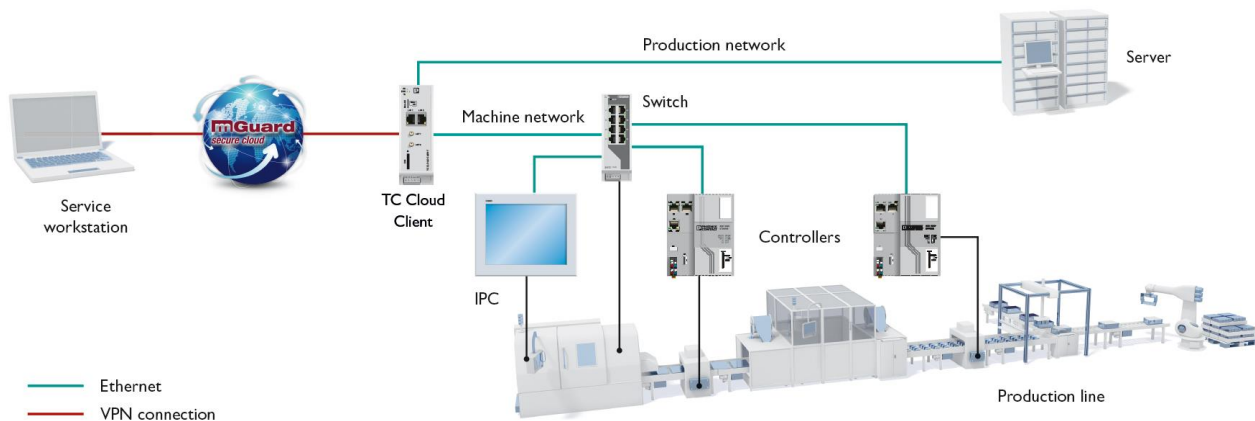
The mGuard Secure Cloud constitutes a high-performance and scalable VPN infrastructure in the cloud, which connects service staff with machines and systems via the Internet.

The mGuard Secure Cloud VPN technology uses the IPsec security protocol with strong encryption. IPsec ensures the confidentiality, authenticity, and integrity of all data transmitted between the service technicians and the machines.



Applications

The TC Cloud Client can be used anywhere there is a need for an easy and cost-effective way to support, troubleshoot, or maintain a remote machine through secure VPN tunnels. Simply connect the TC Cloud Client to your machine or production network, and set up your office computer as a service workstation on the mGuard Secure Cloud to get access to all remote devices.



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Industries served



The TC Cloud Client is designed for all automation and Industrial IoT applications. The TC Cloud Client can be used in a variety of industries including, but not limited to:

Renewable Energy



Oil & Gas



Automotive



Machine Building



Water/Wastewater



Agriculture



Infrastructure



Material Handling

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Ordering information

The mGuard Secure Cloud is a free service for our customers. Access to the mGuard Secure Cloud, however, requires the purchase of TC Cloud Client hardware, 4G LTE antenna, and an approved VPN client.

Order number	Part name	Description	List price	Discount code
Cellular devices				
2702888	TC Cloud Client 1002-4G ATT	4G Industrial VPN gateway for AT&T	\$800.00	C19
2702887	TC Cloud Client 1002-4G VZW	4G Industrial VPN gateway for VZW	\$800.00	C19
2702886	TC Cloud Client 1002-4G	4G Industrial VPN gateway (International)	\$800.00	C19
4G LTE Antenna				
2702273	TC ANT MOBILE WALL 5M	4G LTE antenna with SMA (male)	\$124.80	C19
VPN Client				
2702579	mGuard Secure VPN Client Lic	License for mGuard Secure VPN Client	\$ 171.00	C24

Limited Lifetime Warranty

The TC Cloud Client can also be covered for life under the Phoenix Contact Limited Lifetime Warranty (LLW). To qualify for the LLW, customers must have surge protection on the antenna, a Phoenix Contact power supply, and surge protection on incoming power.

A list of recommended surge protection and adapter cables for the antenna can be found in the chart below.

Order number	Part name	Description	List price	Discount code
Antenna surge protection and adapter cables for Limited Lifetime Warranty				
2801051	CN-UB-280DC-3-SB	Surge protection N (male) -> N (female)	\$93.00	C08
2867694	RAD-PIG-EF316-N-SMA	1-foot adapter for SMA (male) -> N (female)	\$54.00	C23
2917036	RAD-ADP-N/M-SMA/F	Adapter for N (male) -> SMA (female)	\$38.00	C23

The recommended power supply will depend on the application. Please contact your local Phoenix Contact rep for information on power supplies and associated surge protection.



Certain restrictions apply. Go to www.phoenixcontact.com/LLW to review the terms and conditions.