

Industrial Networking

January 2022

New Cloud Client options provide routing and WLAN functionality

Cloud Client

Cloud Client devices are industrial virtual private network (VPN) gateways designed to provide remote connectivity easily, affordably, and securely to devices and machines through the award-winning mGuard Secure Cloud. The Cloud Client is optimized for quick startup in the field, leveraging the mGuard Secure Cloud to provide users with remote access to their devices without the need for advanced networking knowledge. Simply create a configuration for the Cloud Client on the mGuard Secure Cloud and get connected to any remote device within minutes!

The new Cloud Client models provide routing between the customer's internal network and the external network (internet) without the need for a separate router. A Cloud Client option with built-in WLAN interface allows flexibility for integrating the WAN in an existing infrastructure, wirelessly connecting local assets or for mobile worker access.



Features and benefits

Benefits

- 24/7 access and control of remote machines via the AT&T or Verizon cellular network
- Save time and money with 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

- Separate WAN and LAN networks remove the need for a separate router
- WLAN option provides flexible connection possibilities
- 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
- One digital input and one digital output for alerts and control
- Support for mobile iOS-based devices such as Apple iPads and iPhones

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Industries

The Cloud Clients are 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 and gas



Automotive



Machine building



Water/wastewater



Agriculture



Infrastructure



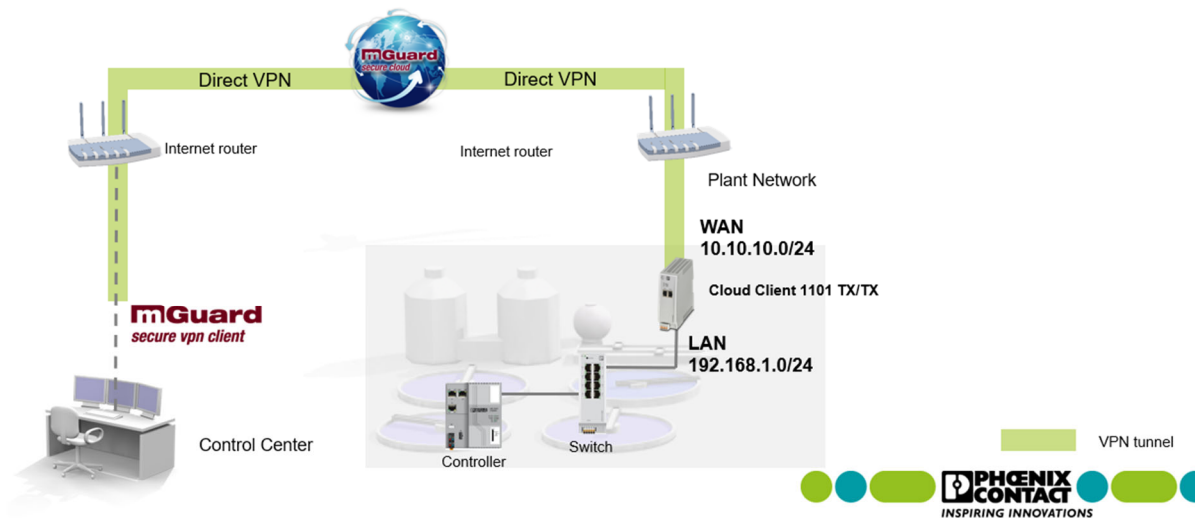
Material handling

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Application examples:

Cloud Client 1101 TX-TX

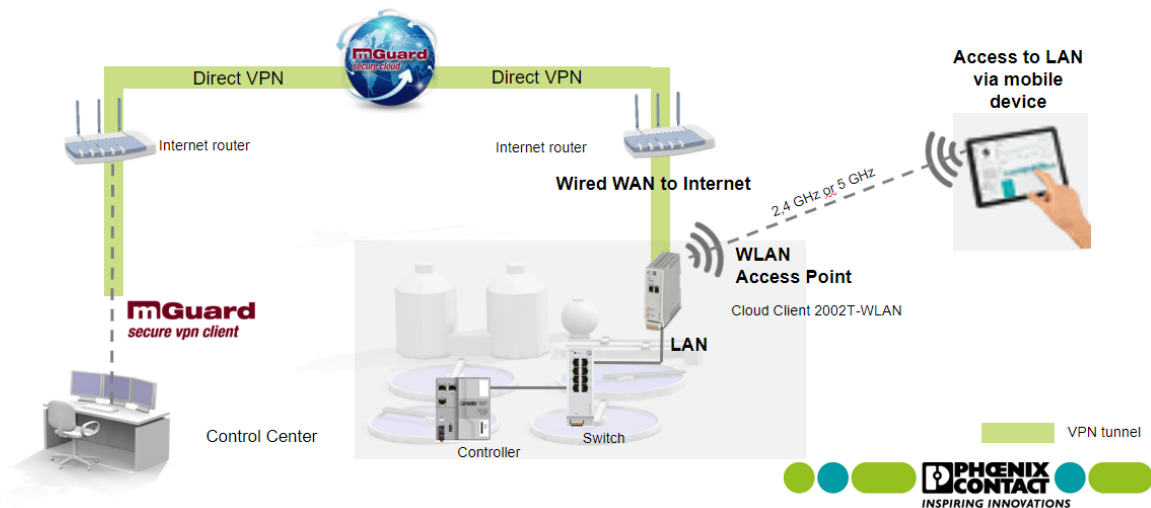
Application example: Low-Cost Wired Connectivity with Routing



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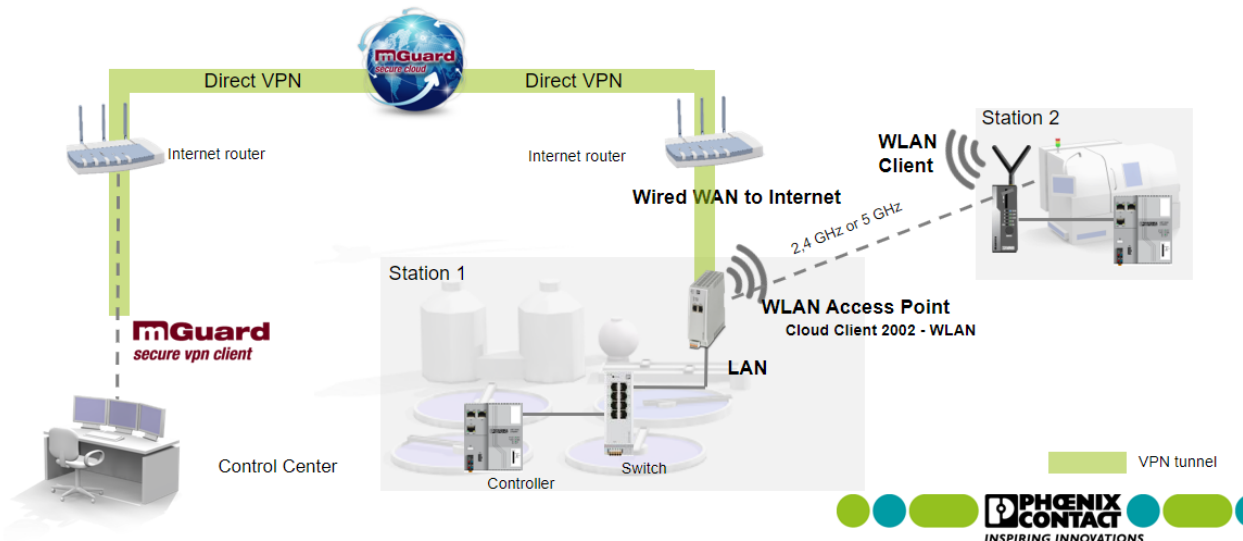
Cloud Client 2002T - WLAN

Application example: Mobile access via WLAN Access Point



Cloud Client 2002T - WLAN

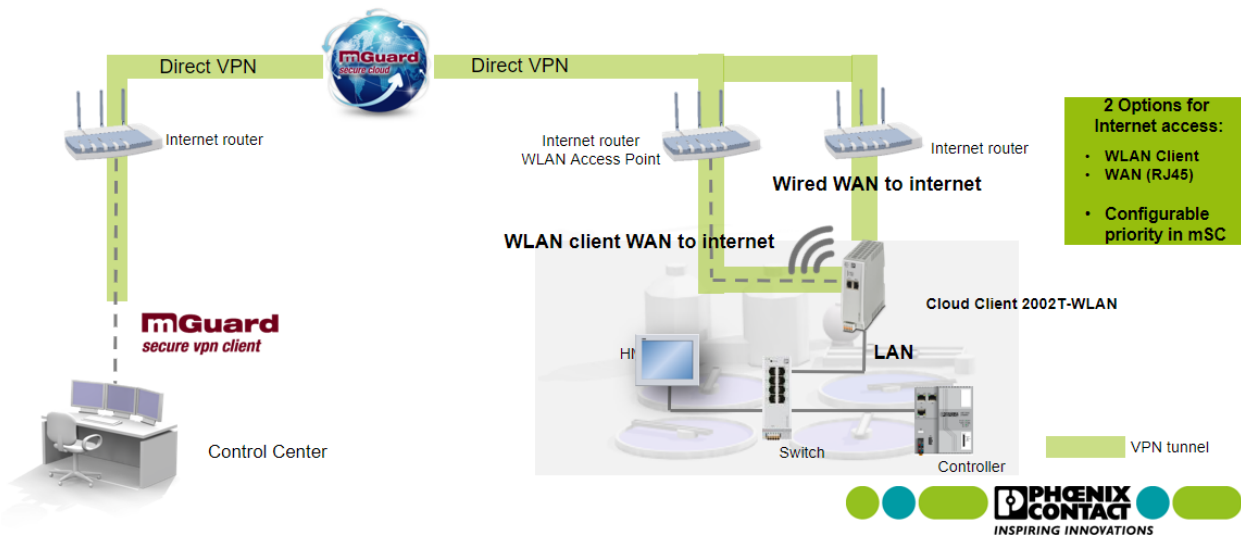
Application Example: Wired and Wireless connectivity



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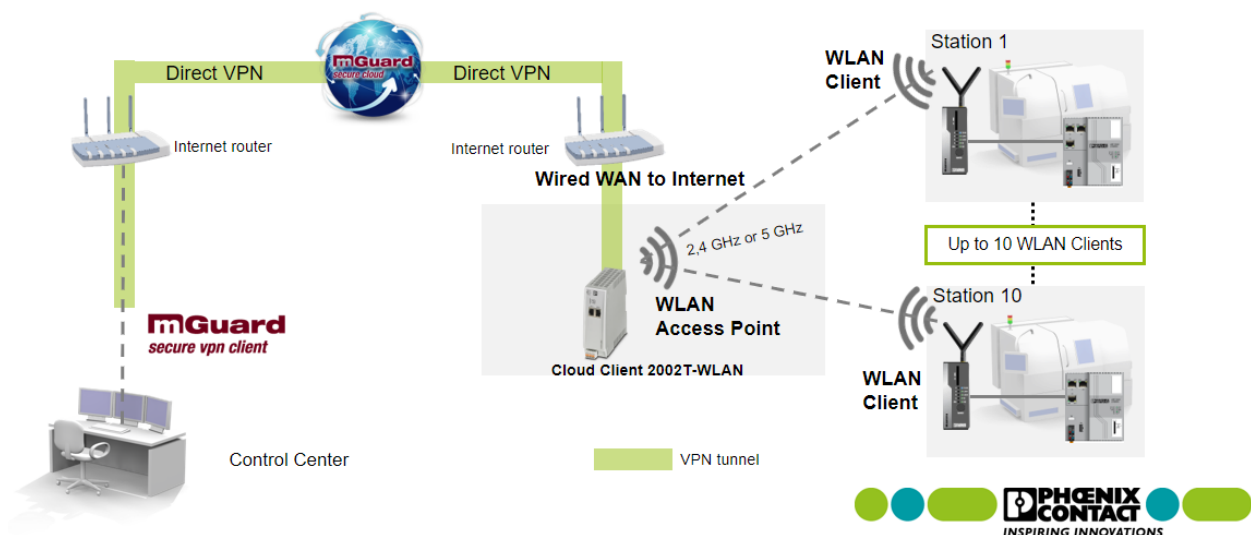
Cloud Client 2002T - WLAN

Application example: Multiple WAN connection



Cloud Client 2002T - WLAN

Application example: WLAN Access Point



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Ordering information

Order number	Part name	Description	List price	Discount code
Cloud Clients				
1221706	CLOUD CLIENT 1101T-TX/TX	Cloud Client with gigabit LAN and WAN ports for connection to mGuard Secure Cloud	\$525.00	C19
1234360	CLOUD CLIENT 2002T-WLAN	Cloud Client with WLAN and/or LAN connection to mGuard Secure Cloud	\$625.00	C19
VPN Client				
2702579	mGuard Secure VPN Client License	License for mGuard Secure VPN Client	\$ 98.00	C24

Competition

	mGuard Secure Cloud	Talk2M	Secomea	Tosibox
Pricing models	Free	Free+ and Pro	Basic & Premium	Hardware only
VPN protocol used	Ipssec (optional TCP encapsulation)	Open SLL and Open VPN 2.0	SSL	Marketed as point-to-point VPN tunnel, not protocol specific
Outbound open ports needed	Service and machine: UDP500/4500 or TCP443 (Customer can choose)	Machine (eWOn device): 443(HTTPS) Service (eCatcher):nee1194 (UDP)	Machine and service (SiteManager & Link Manager) needs 443 (HTTPS)	Uses the Tosibox MatchMaker as background service - Not listed
Hardware for machine	FL & TC mGuards, TC Cloud Clients	Cosy, Flexy	Site Manager (1029/3229, 1039/3239, 1429/3429, 1439/3439)	Tosibox Lock 150, 210, 250, 500, 4G Modem, Tosibox Lock for Container
Pricing for hardware	\$525 - \$2000	\$599 - \$1100	\$535 - \$1200	\$640 - \$1500
Software/hardware	Windows: mGuard Secure VPN Client Android: NCP Premium app Apple: native iOS and MAC VPN Clients	eCatcher, eCatcher Mobile, M2Web	LinkManager	Tosibox Key, Tosibox SoftKey, Tosibox Mobile Client
Licensing	Free trial and up to \$98 for mGSVC license	Free download	Tied to a license	From \$210
Servers hosted	AWS	35+ servers spread over 3+ hosts	Denmark	N/A

FLASH

INDUSTRY MANAGEMENT AND AUTOMATION



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Supporting materials

www.phoenixcontact.com/tcloudclient
us.cloud.mguard.com

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