TeamViewer IoT Integration with

Alleantia IIoT Edge Gateway

The TeamViewer IoT integration with Alleantia enables you to connect most industrial machines easily to the cloud with out-of-the-box remote connectivity to monitor, analyze, and program machinery from anywhere, anytime.

Connecting New and Legacy Machines to the Cloud

Some manufacturers struggle to digitalize their machinery on the shop floor because their machines lack digital readiness due to any or all of the following:

- Outdated, legacy operating systems
- No standard communication protocols, like OPC-UA
- No built-in internet connectivity
- Insufficient IoT data security and potential threats to intellectual property

The TeamViewer IoT integration with Alleantia IIoT Edge Gateway solves those problems. Here's how.

Built to offer simplicity, scalability, reliability, fast implementation, and security, Alleantia is a leading provider of plug and play (PnP) software solutions for the Industrial Internet of Things (IIoT). Alleantia helps customers achieve maximum efficiency by unifying operational technology (OT) and information technology (IT), integrating manufacturing systems, sensors, and devices with back-end hardware and software.

The Alleantia Library of Things hosts over 5,000 ready-to-use machine drivers that enable you to connect to 90 percent of industrial machines for high-performance data acquisition, management, interpretation, and distribution. Zero-code driver creation tools enable customers to create their own drivers.

TeamViewer IoT allows you to instantly connect, monitor, and operate assets in manufacturing and production — securely, quickly, and across locations. TeamViewer IoT can be embedded in new IoT endpoints, while legacy machines and equipment can be retrofitted, enabling out-of-the-box solutions for remote operations, remote assistance, and remote alarming.

The prebuilt integration of TeamViewer IoT with the Alleantia IIoT Edge Gateway enables manufacturers to transform their shop floors into smart factories, while allowing original equipment manufacturers (OEM) to remotely monitor, control, and service their machines efficiently.

Solution Highlights

Secure Remote Access

Remotely access, control, and support connected and retrofitted machines and edge devices from anywhere in the world securely, through TeamViewer — without requiring complex IoT network VPN.

Prebuilt Machine Drivers

With over 5,000 prebuilt machine drivers, Alleantia also provides driver creation tools supporting 90 percent of industrial machines, enabling connections to gateways for analytics.

Plug and Play IT/OT Connectivity

Quickly connect any industrial device to the TeamViewer IoT cloud. Get device and shop floor machine insights within minutes by using the prebuilt machine drivers in the Alleantia Library of Things that enable connected machines to communicate with the right systems and edge devices.

Out-of-the-Box Integrations

Leverage over 15 ready-to-use connectors to integrate Alleantia with on-premises or cloud customer applications to make processed data actionable in manufacturing execution systems (MES) and enterprise resource planning solutions (ERP).
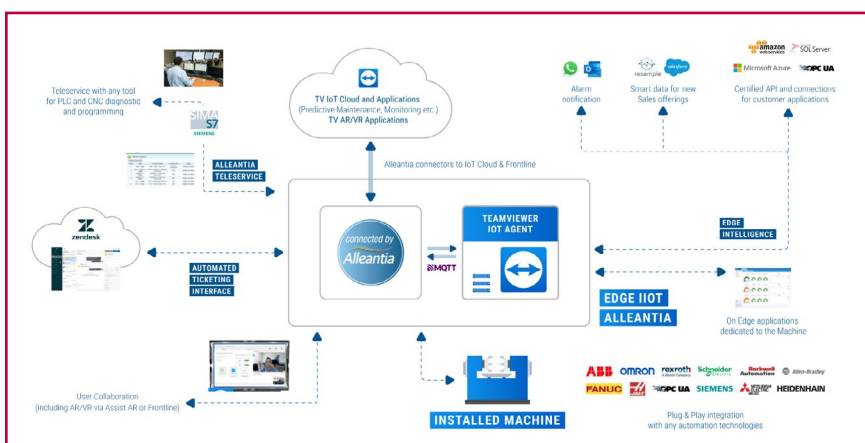

Figure 1: Architecture diagram of the integration of TeamViewer IoT and Alleantia, enabling users to connect machines with leading IIoT applications.

Key Features

Remote Programming

Securely and remotely program computer numerical controls (CNC), programmable logic controllers (PLC), or any other type of programmable device.

Real-Time Edge Device Insights

With no coding required, easily create rules on edge devices that trigger real-time alarms for when to take action for specified machinery, components, work shifts, production activities, or maintenance.

Smart IoT Cloud Application

Collect and store machine data in the cloud and easily build dashboards to visualize it. TeamViewer and Alleantia provide a closed-loop IoT solution for your customers — from collecting data on the edge to analyzing data in the cloud to remotely executing device changes based on the analyzed data. No hardware or software components from other vendors required.

Support Integration

Once integrated with a factory service or ticketing system — such as Zendesk or ServiceNow — edge device anomalies trigger alerts to those systems to continuously optimize customer support services.

Key Benefits

Transform Legacy Machines

Turn legacy machines into smart machines by retrofitting them with instant IoT connectivity, instead of replacing them. Integrate connected machine data and systems using prebuilt Alleantia machine drivers and standard protocols that allow data to communicate securely with the right applications and IoT infrastructure.

Reduce Maintenance Costs

Reduce maintenance costs by minimizing on-site visits with remote expert help for shop floor machines.

Improve Operating Processes

Improve operating processes and reduce service reaction time by adding instant IoT connectivity to any shop floor machine for real-time monitoring, anomaly detection, and remote support.
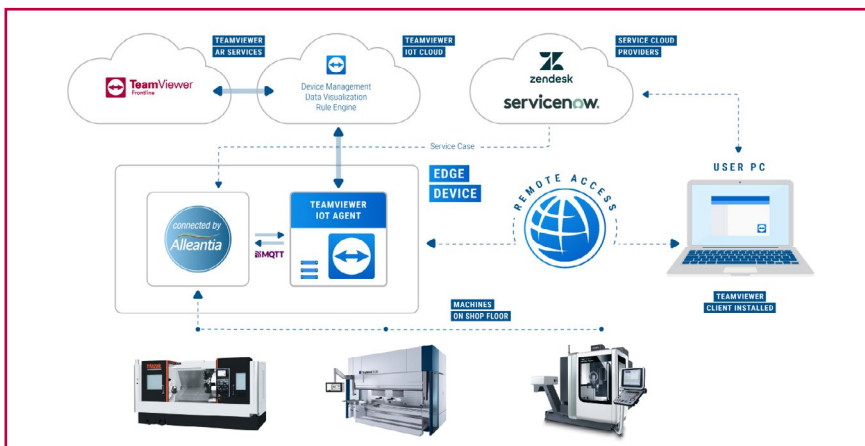
Figure 2: Easily connect machines on the shop floor to the cloud and leverage the processing, analytics, and remote support capabilities of TeamViewer IoT.

Questions?

Connect with us to learn more about the TeamViewer IoT integration with the Alleantia IIoT Edge Gateway.

Let's Connect

About TeamViewer

As a leading global technology company, TeamViewer offers a secure remote connectivity platform to access, control, manage, monitor, and support any device — across platforms — from anywhere. With more than 600,000 customers, TeamViewer is free for private, non-commercial use and has been installed on more than 2.5 billion devices. TeamViewer continuously innovates in the fields of Remote Connectivity, Augmented Reality, Internet of Things, and Digital Customer Engagement, enabling companies from all industries to digitally transform their business-critical processes through seamless connectivity. Founded in 2005, and headquartered in Göppingen, Germany, TeamViewer is a publicly held company with approximately 1,400 global employees. TeamViewer AG (TMV) is listed at Frankfurt Stock Exchange and belongs to the MDAX.

Stay Connected

www.teamviewer.com