iDIP IoT

Priviliged Access Management

Prevent Direct Access

Privileged Access Management (PAM) is used to prevent direct access to an asset or system. The endpoint users are removed from an installation or system and access is granted via a dedicated appliance to a jump host from which the necessary installation is accessed.

The jump host acts as a hardened and monitored system, and the appliance acts as an intermediate point of connection. This prevents users from directly accessing resources that are in a different security perimeter.

Least Privilege Principle

Users are granted only the minimum access rights required to perform their tasks. This increases the security of data and the system.

Continuous Monitoring

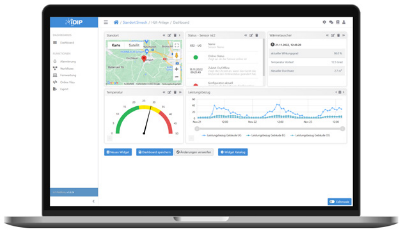
User activities are monitored in real time and historized by video recording. This enables a response to suspicious or unusual activity.

Role-based Access Control

Users are granted access to specific resources based on their roles and responsibilities to ensure the security and protection of sensitive data.

Time Limited Access

Users can only access resources for a limited period of time. This minimizes the risk of unauthorized access and misuse.

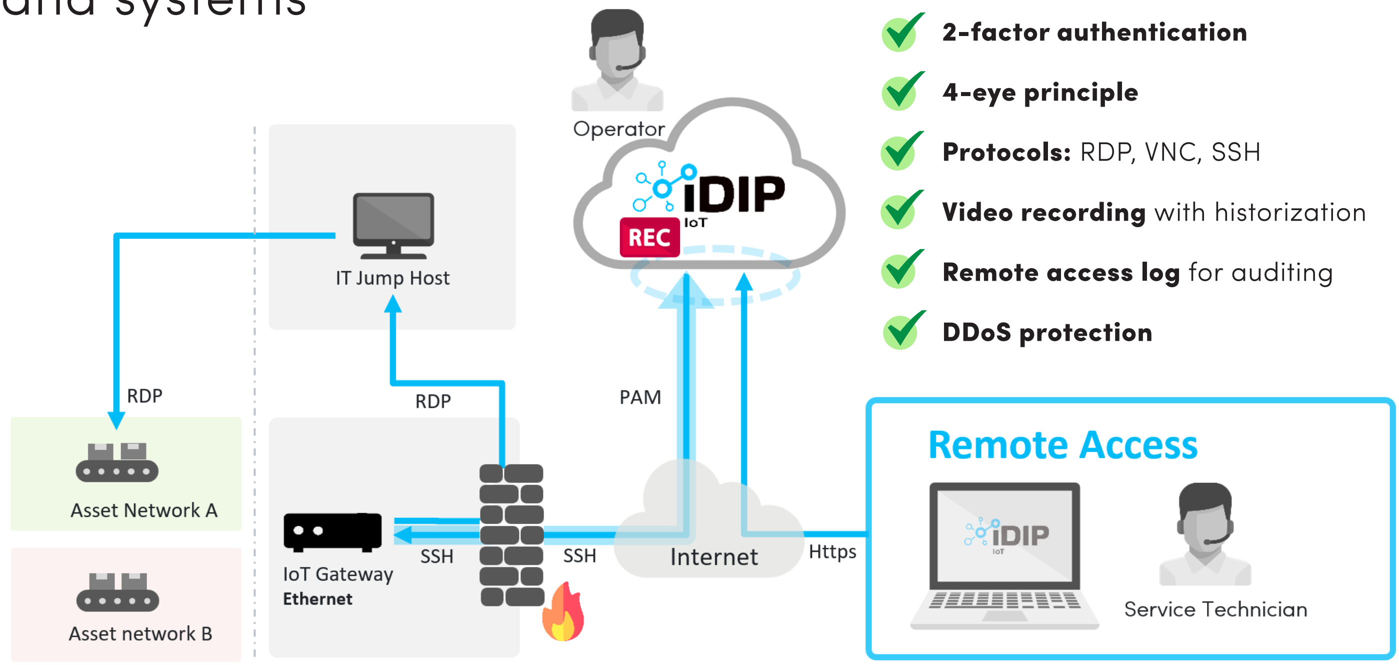


iDIP IoT Service Portal

- Live dashboards with KPI
- Alerting and monitoring
- Remote access as PAM
- Remote maintenance
- Remote visualization of assets (HMI)
- Report generation
- Data exchange via REST API
- Multi-client management
- Own customer portal with white Label branding
- Data connectors (OPC-UA, Modbus TCP, MQTT, REST API)
- Sensor integration via LoRa, LTE-M
- Swiss data center (ISO 27001 / ISO 50001)

Full **access control** for assets and systems

- ✓ **2-factor authentication**
- ✓ **4-eye principle**
- ✓ **Protocols:** RDP, VNC, SSH
- ✓ **Video recording** with historization
- ✓ **Remote access log** for auditing
- ✓ **DDoS protection**


Operator
iDIP IoT
REC
IT Jump Host
RDP
RDP
PAM
Asset Network A
Asset network B
IoT Gateway
Ethernet
SSH
SSH
Internet
Https
Remote Access
iDIP IoT
Service Technician