PerleCLOUD™ Central Management Platform

Centralized Visibility and Control for Remote IT Infrastructure



- Real-time monitoring of device status and connectivity
- Secure remote access to infrastructure assets
- Group-based device administration
- Centralized firmware and configuration management
- Automated alerts and notifications
- Remote troubleshooting capabilities
- Cloud-hosted architecture with no on-premises management server required

Modern networks demand more than device connectivity. They require centralized visibility, simplified management, and secure access to critical infrastructure distributed across data centers, branch offices, industrial facilities, utility sites, transportation networks, and remote locations.

PerleCLOUD delivers a unified, cloud-based platform that lets organizations deploy, monitor, manage, and access **Perle IOLAN SCR Console Servers** and the equipment connected to them from anywhere. Whether you're supporting hundreds of network devices or thousands of geographically dispersed assets, PerleCLOUD simplifies operations while helping improve uptime, security, and responsiveness. Manage your infrastructure from a single pane of glass.

One Platform. Complete Infrastructure Visibility.

PerleCLOUD provides centralized management for your Perle IOLAN SCR deployment, giving operations teams a secure and efficient way to monitor remote infrastructure, manage configurations, and access critical devices when issues occur.

From daily administration to emergency troubleshooting, PerleCLOUD helps IT and OT teams maintain control over distributed environments without costly site visits.

Manage More Than Just Console Servers

Many management platforms stop at managing the console server itself. PerleCLOUD extends visibility to the infrastructure behind the console server, allowing administrators to access and manage critical equipment through multiple management interfaces securely.

- **Serial Console Management:** Securely access routers, switches, firewalls, servers, power systems, and other devices through RS232 RJ45 console ports.
- **USB Console Management:** Manage infrastructure equipped with USB console interfaces through centralized cloud access.
- **Ethernet Console Management:** Access and manage equipment that provides dedicated Ethernet console management interfaces, helping teams maintain visibility across modern network environments.

By supporting serial, USB, and Ethernet console management ports, PerleCLOUD gives organizations the flexibility to manage all devices used in modern infrastructure environments.

Bring Remote Cellular Sites Online Faster

Remote infrastructure projects often rely on cellular connectivity to deliver immediate access and operational visibility. PerleCLOUD simplifies the deployment of remotely located IOLAN SCR Console Servers connected over cellular networks. Because the management platform exists as a cloud service, organizations can bring new sites online without setting up or maintaining a management server. This cuts deployment complexity and gives operations teams immediate visibility for:

- Faster onboarding of remote locations
- Reduced deployment complexity
- No management server installation required
- Simplified scalability across distributed networks
- Lower administrative overhead
- Faster access to operational visibility

For organizations deploying infrastructure across utilities, transportation systems, telecommunications networks, industrial facilities, and other remote environments, PerleCLOUD helps accelerate the path from installation to active cellular management.

Rapid Incident Response

When equipment fails or connectivity is disrupted, response time matters. PerleCLOUD helps operations teams quickly identify issues, securely connect to affected devices, and begin troubleshooting immediately.

Reduce Mean Time to Resolution (MTTR)

- View device health and connectivity status
- Receive notifications when devices become unreachable
- Access remote consoles without dispatching technicians
- Investigate outages from any location
- Accelerate recovery from network failures

With direct visibility into distributed infrastructure, teams can resolve issues faster and reduce operational risk.

Streamlined Deployment and Administration

Manually managing hundreds of remote devices consumes valuable resources. PerleCLOUD simplifies large-scale deployments through centralized administration tools designed for enterprise environments.

Simplify Ongoing Operations

- Centralized inventory management
- Device grouping and organization
- Remote provisioning
- Firmware management
- Configuration backup and restoration

Designed for Secure Infrastructure Management

Infrastructure management platforms must protect critical systems while enabling authorized access. PerleCLOUD incorporates security-focused design principles to help organizations manage remote infrastructure confidently.

Security Features

- Encrypted communications
- Secure user authentication
- Role-based access control
- Centralized audit visibility
- Secure cloud-hosted architecture
- Controlled remote access to managed devices

Organizations can maintain operational visibility while supporting security and compliance objectives.

Built for Distributed Networks

PerleCLOUD is ideal for organizations operating infrastructure across multiple locations.

- **Data Centers:** Manage servers, network switches, routers, and power infrastructure remotely.
- **Industrial Automation:** Monitor and troubleshoot industrial networking equipment at production facilities and remote sites.
- **Utilities:** Maintain visibility into substations, field cabinets, and critical operational infrastructure.
- **Telecommunications:** Provide centralized access to communications equipment deployed across large geographic regions.
- **Transportation:** Support connected infrastructure in transit systems, traffic control environments, and remote transportation facilities.
- **Financial Services:** Maintain secure access to critical networking and computing infrastructure across branches and data centers.

Why PerleCLOUD?

PerleCLOUD was built to help organizations gain greater control of distributed infrastructure through centralized management and secure remote access. Advantages include:

- Centralized management of IOLAN SCR Console Servers
- Cloud-based deployment
- Real-time monitoring and alerting
- Secure remote console access over RS232 RJ45, USB, or Ethernet
- Scalable enterprise management
- Reduced operational costs through fewer site visits
- Faster incident response and troubleshooting

How PerleCLOUD Works

1. Deploy IOLAN SCR Console Servers at remote locations.
2. Activate cellular connection (if applicable).
3. Register with PerleCLOUD.
4. Connect infrastructure devices through serial, USB, or Ethernet management interfaces.
5. Monitor, manage, and access infrastructure securely from anywhere through a centralized cloud interface.

Frequently Asked Questions

What is PerleCLOUD?
PerleCLOUD is a cloud-based management platform that enables organizations to centrally manage, monitor, and access Perle IOLAN SCR Console Servers and connected infrastructure.

Which products are supported?
PerleCLOUD supports Perle IOLAN SCR Console Servers.

Can I remotely access connected equipment?
Yes. Administrators can securely access devices connected through console management interfaces.

What connection types are supported?
PerleCLOUD supports infrastructure connected through RS232 RJ45, USB, and Ethernet console management ports.

Is PerleCLOUD suitable for large-scale deployments?
Yes. PerleCLOUD helps organizations manage distributed infrastructure across multiple sites from a central platform.

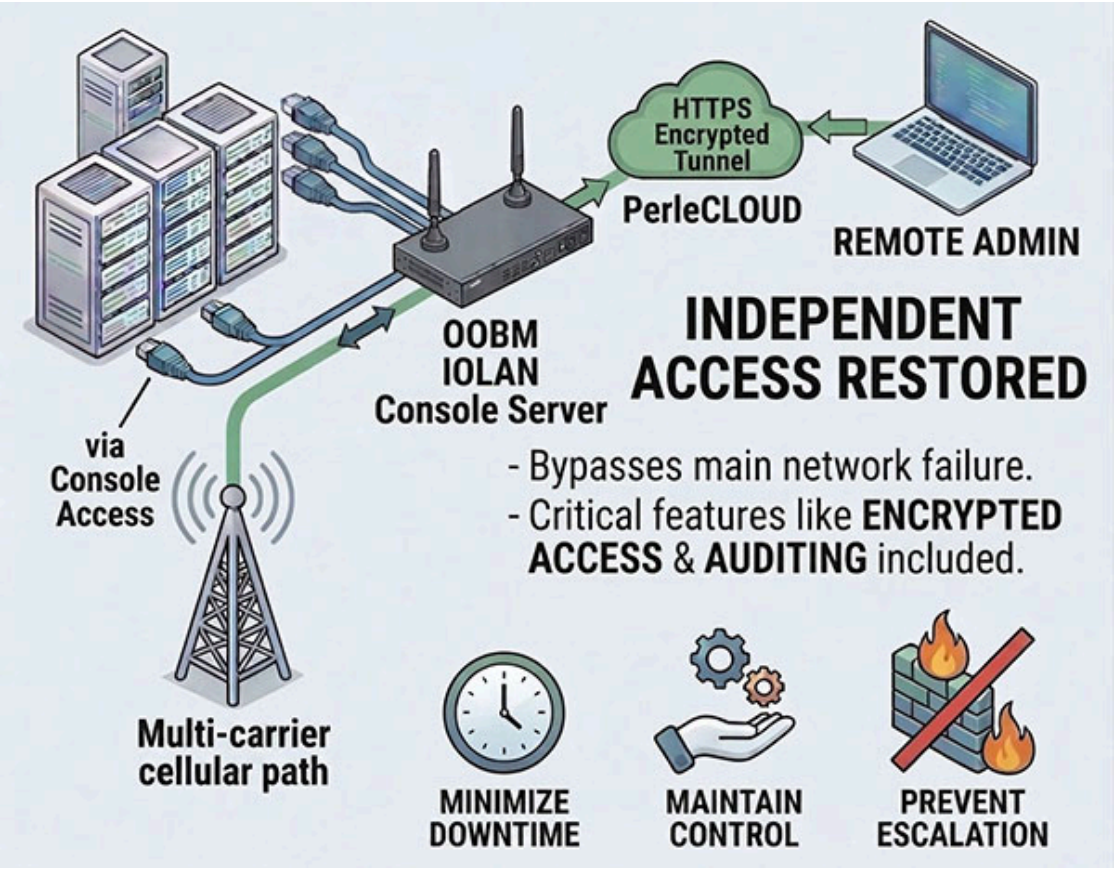
Is there on-premises management software required?
PerleCLOUD is a cloud-hosted platform that eliminates the need to deploy and maintain a dedicated management server. If you want an on-premises solution, check out **PerleVIEW**.

Specifications
TAA COMPLIANT — THE TRADE AGREEMENTS ACT — FAR CLAUSE 52.225-5   NDAA COMPLIANT — NATIONAL DEFENCE AUTHORIZATION ACT — SECTION 889

Features	
Cloud connectivity	Connect securely over HTTPS with no VPN, client software, or firewall changes required, while supporting low-latency access.
Supported Access Types	Access devices through a web-based interface, HTTPS, SSH, or CLI.
Remote Management Access	Support remote console management over Ethernet, RS232 RJ, and USB connections.

Device Inventory Organization	Create logical device groups to simplify administration, filtering, and day-to-day management.
Single-Device Configuration	Adjust settings on a selected device through its configuration interface or by applying a saved configuration file.
Centralized Firmware Updates	Quickly deploy firmware updates to any number of devices on a frequency schedule that suits your policies.
Device Health Monitoring	Track key device conditions, review status details, and use alert activity to help diagnose issues quickly.
Alert Rules	Define notifications for changes in device health, connectivity, data consumption, configuration state, and related operating conditions.
Device Configuration Updates	Upload a new configuration file or restore a previous configuration when needed.
Management Groups	Create remote management groups across Perle devices and assign them to specific accounts for administration.
Task Automation	Run operational tasks now, schedule them for later, or repeat them across selected devices and groups.
User Authentication	Multi-factor authentication.

With PerleCLOUD, you get a persistent, HTTPS-encrypted tunnel for secure, low-latency cloud access without the need for a traditional VPN. Access and manage any equipment with an RS232 RJ45, USB, or Ethernet console management port.


HTTPS
Encrypted
Tunnel
PerleCLOUD
REMOTE ADMIN
INDEPENDENT
ACCESS RESTORED
OOBM
IOLAN
Console Server
via
Console
Access
- Bypasses main network failure.
- Critical features like ENCRYPTED
ACCESS & AUDITING included.
Multi-carrier
cellular path
MINIMIZE
DOWNTIME
MAINTAIN
CONTROL
PREVENT
ESCALATION

Product List



PerleCLOUD D1YR License: A 1-year subscription of PerleCLOUD includes access to the complete suite of features available for centralized management of Perle and connected devices. To access pricing and details, follow these steps:

- Register at **https://portal.perleapps.com/register.htm**
- Enter your first name, last name, and email address.
- Click the Verify Email Address button
- Within 5 minutes, an email will be sent to the supplied address.
- Open the email and click the link to access the PerleCLOUD Registration Page
- Complete the rest of the requested information (Phone, Company Name, and Address).
- Click the Submit Company Information button
- Please allow 1-2 business days for your registration to be approved. Once approved you will receive an email with a link to set up your password.
- Follow the instructions for MFA.
- In the left menu, select Licenses → Add License → Cloud Access

Power Cord & Part Number(s)

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