

# P100 - P360 - P360H

## Technical Specifications



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# 1. Introduction

PoliCloud containers are self-contained outdoor datacenters engineered for continuous, unattended operation in all weather conditions from  $-40\text{ }^{\circ}\text{C}$  to  $+45\text{ }^{\circ}\text{C}$ . Each unit integrates high-performance GPU compute, mass storage, precision cooling, fire suppression, power distribution, and full security infrastructure within a single ISO container — eliminating the need for a traditional datacenter building.

The product family consists of three models addressing different deployment scales and use cases:

- P100: Compact 20 ft unit, ideal for edge deployments, proof-of-concept, or constrained sites (up to 104 GPUs, 100 kW).
- P360: 40 ft unit for high-density AI inference or training workloads (up to 360 GPUs, 450 kW).
- P360H: 40 ft unit with integrated heat recovery, designed for sites where waste heat can be reused for greenhouse heating, industrial processes, or district heating (up to 360 GPUs, 450 kW).

## 1.1 Standard Equipment Included in Every Unit

Every PoliCloud is delivered fully integrated and tested with the following systems:

- GPU compute and storage servers
- UPS and battery system
- Power distribution panels and PDUs with surge protection
- Precision cooling and humidity control (model-dependent, see Section 5)
- Novec™ 1230 total-flooding fire suppression system
- Access control: facial recognition, encrypted badge, QR code
- Video surveillance: cameras inside and outside with AI event detection
- Touchscreen control panel and remote monitoring interface
- High-speed networking and routing equipment
- Leak, smoke, and heat detection sensors
- Heat-recovery circuit (P360H only)

## 2. Specifications

| Parameter                | P100                                  | P360                                  | P360H                                 |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Container Type           | 20 ft Standard                        | 40 ft Standard                        | 40 ft Standard                        |
| Dimensions (L × W × H)   | 6 × 2.4 × 2.9 m                       | 12 × 2.4 × 2.9 m                      | 12 × 2.4 × 2.9 m                      |
| Approximate Weight       | ≈ 10 tonnes                           | ≈ 24 tonnes                           | ≈ 24 tonnes                           |
| Operating Temperature    | -40 °C to +45 °C (all weather)        |                                       |                                       |
| Entrance Doors           | 2                                     | 3                                     | 3                                     |
| IT Racks                 | 5                                     | 10                                    | 10                                    |
| Compute Servers          | 13                                    | 45                                    | 45                                    |
| Total GPUs (max)         | 104                                   | 360                                   | 360                                   |
| Storage Servers          | 10                                    | 9                                     | 9                                     |
| Total Storage (max)      | Up to 2 PB                            | Up to 2 PB                            | Up to 2 PB                            |
| Max Power Consumption    | 100 kW                                | 450 kW                                | 450 kW                                |
| Main Breaker (MCCB)      | 320 A                                 | 1,000 A                               | 1,000 A                               |
| Electrical Input         | 3-phase 400 V AC                      |                                       |                                       |
| Battery Bank             | Lithium Battery Rack<br>512V100Ah x 1 | Lithium Battery Rack<br>512V100Ah x 2 | Lithium Battery Rack<br>512V100Ah x 2 |
| UPS Runtime at full load | 15 minutes                            |                                       |                                       |
| Cooling Type             | Wall-mounted<br>precision AC          | In-row rack                           | In-row rack +<br>heat recovery        |
| Total Cooling Capacity   | 84 kW                                 | 295 kW                                | 295 kW                                |
| Heat Recovery Output     | N/A                                   | N/A                                   | Up to 360 kW                          |
| Fire Suppression         | Novec™ 1230                           |                                       |                                       |
| Surveillance Cameras     | 8 (2 in / 4 out / 2 door access)      |                                       |                                       |
| Primary Connectivity     | 10 Gbps Symmetric Fiber               |                                       |                                       |
| Backup Connectivity      | Starlink / 5G                         |                                       |                                       |
| IP Rating (enclosure)    | IP55 level in IEC60529                |                                       |                                       |

|                           |                            |
|---------------------------|----------------------------|
| <b>Wind Load Rating</b>   | Rated for wind up to 60m/s |
| <b>Estimated Lifespan</b> | Up to 20 years             |

## 3. Power & Electrical

### 3.1 Power Input

Each PoliCloud is connected to the site power grid via two input connectors, one primary and one optional backup, and accepts 3-phase 400 V AC (European standard) or 400 V to 480 V AC (USA version).

| Parameter                           | P100  | P360H / P360  |
|-------------------------------------|---|---------------|
| <b>Electrical Input</b>             | 3-phase 400 V AC (EU) / 400 V to 480 V AC (USA)   |               |
| <b>Input Connectors</b>             | 2 (primary + optional backup)                     |               |
| <b>Cable Cross-section Required</b> | To be confirmed per site distance                 |               |
| <b>Connector Type</b>               | To be defined prior installation                  |               |
| <b>Bridge Location</b>              | Rear of container, above Main Power Board (MPB)   |               |
| <b>ATS (Auto Transfer Switch)</b>   | 250A/3P (WATSN-250A)                              | WTS1250/4DL/U |
| <b>Power Factor at Full Load</b>    | 1.0   | 1.0           |
| <b>PUE (measured at full load)</b>  | 1.42  | 1.43          |
| <b>Grounding Requirement</b>        | TN-S system, 1 $\Omega$ maximum ground resistance |               |

### 3.2 Power Distribution & UPS

The internal Power Distribution Panel is a rack-mounted modular design. All circuit breakers (MCCBs and MCBs) are CE or UL certified. The panel includes surge protection and distributes power across the UPS, PDUs, cooling units, and other critical subsystems.

| Parameter                 | P100   | P360 / P360H                          |
|---------------------------|--|---------------------------------------|
| UPS Type                  | Online double-conversion                             |                                       |
| Power Modules             | TM200  |                                       |
| Total Capacity            | 90 kVA   | 400kVA                                |
| Form Factor               | 21 U   | 42 U                                  |
| Efficiency                | > 97%  |                                       |
| Power Factor              | 1.0  | 1.0                                   |
| Protections               | Temperature, current, over/under voltage             |                                       |
| Redundancy                | N+1  |                                       |
| UPS Runtime at full load  | 15 minutes   |                                       |
| UPS Runtime at 50% Load   | 30 minutes   |                                       |
| Battery Type (standard)   | HLithium Battery Rack<br>512V100Ah x 1               | Lithium Battery Rack<br>512V100Ah x 2 |
| Expected Battery Lifetime | 15 years   |                                       |
| Battery Hot-Swap          | Supported  |                                       |
| Battery Monitoring        | Balancing, SoC and SoH and alarms/ reports           |                                       |
| Graceful Shutdown         | Automatic on UPS low-battery threshold, configurable |                                       |
| Manual Maintenance Bypass | Included   |                                       |

## 4. GPU Compute & Server Configuration

### 4.1 GPU Configuration

The GPU model is selected at order time based on the client's workload requirements (AI training, inference, rendering, or hybrid crypto/AI).

|   |   |
|---|---|
| <b>GPU Selection</b>                    | Client-defined at order<br>Standard model Nvidia RTX 5090 32G |
| <b>GPUs per Compute Server</b>          | 8   |
| <b>Compute Servers per Container</b>    | 13 (P100) ; 45 (P360H / P360)                                 |
| <b>Total GPU Slots (max)</b>            | 104 (P100) ; 360 (P360H / P360)                               |
| <b>GPU Condition</b>                    | New, all GPUs are brand new at delivery                       |
| <b>GPU Warranty Period</b>              | 5 years, covered under the PoliCloud hardware warranty        |
| <b>Failed GPU Replacement Lead Time</b> | 1-2 business days (on-site spare units)                       |

## 4.2 Compute Server Specifications

|                     |  |
|---------------------|--|
| <b>Chassis</b>      | 5U PoliCloud custom chassis                                  |
| <b>CPU</b>          | 2× AMD EPYC 9754 (4th Gen) - 128 cores / 256 threads per CPU |
| <b>Motherboard</b>  | ASRock Rack TURIN/GENOA2D24G-2L+ PCIe 5, DDR5, 20×MCIO       |
| <b>Memory</b>       | 1 TB DDR5 ECC (16 × 64 GB)                                   |
| <b>Network</b>      | Intel 25 Gbps - 2 ports                                      |
| <b>OS Storage</b>   | 2× 1 TB SSD (RAID 1)   |
| <b>Data Storage</b> | 2× 4 TB SSD  |
| <b>Power Supply</b> | 5× 1,600 W (4+1 redundant)                                   |

## 4.3 Storage Server Specifications

|                     |   |
|---------------------|---|
| <b>Chassis</b>      | 2U  |
| <b>CPU</b>          | AMD EPYC 7313 - 16 cores / 32 threads               |
| <b>Motherboard</b>  | ASRock Rack ROMED8-2T - DDR4, EPYC Rome CPU         |
| <b>Memory</b>       | 256 GB DDR4 ECC (8× 32 GB)                          |
| <b>Network</b>      | Intel 10 Gbps or 25 Gbps - 2 ports                  |
| <b>OS Storage</b>   | 2× 500 GB SSD                                       |
| <b>Data Drives</b>  | 8× 24 TB Seagate 7200 RPM HDD                       |
| <b>NVMe Cache</b>   | 2 TB NVMe   |
| <b>Max Capacity</b> | Up to 2 PB per P100 / Up to 4 PB per P360H and P360 |
| <b>Power Supply</b> | 2× 800 W (1+1 redundant)                            |

#### 4.4 Master Controller (Management Node)

|                     |   |
|---------------------|---|
| <b>Chassis</b>      | 2U  |
| <b>CPU</b>          | AMD EPYC 7313 - 16 cores / 32 threads   |
| <b>Memory</b>       | 256 GB DDR4 ECC (8× 32 GB)  |
| <b>Network</b>      | Intel 10 Gbps - 2 ports   |
| <b>OS Storage</b>   | 2× 500 GB SSD   |
| <b>Data Storage</b> | 2× 2 TB HDD   |
| <b>Power Supply</b> | 2× 800 W (1+1 redundant)  |
| <b>Role</b>         | Cluster management, monitoring, remote access gateway<br>(monitor both storage and compute servers) |

## 5. Cooling System

All PoliCloud models are designed for continuous operation across the full ambient range of -40 °C to +45 °C. Each model uses a different cooling architecture matched to its power density and use case.

### 5.1 P100: Wall-Mounted Precision Air Conditioning

|   |   |
|---|---|
| <b>Cooling Architecture</b>               | Wall-mounted precision air-conditioning units                             |
| <b>Cooling Capacity per Unit</b>          | 21 kW   |
| <b>Total Cooling Capacity</b>             | 84 kW (21kW x 4 units)  |
| <b>Redundancy</b>                         | N+1 - units rotate automatically in master/slave mode                     |
| <b>Target Internal Conditions</b>         | 25 °C / 40–55% RH   |
| <b>Refrigerant</b>                        | R32   |
| <b>Compressor Type</b>                    | Inverter - variable speed for efficiency                                  |
| <b>Noise Level</b>                        | < 60 dB at 1 m  |
| <b>Rated Ambient Temperature</b>          | Up to +45 °C outdoor ambient  |
| <b>Condensation &amp; Leak Protection</b> | Floor-level leak sensors; automatic shutdown and alarm on water detection |
| <b>Remote Monitoring</b>                  | SNMP - integrated with main supervision system                            |
| <b>Annual Maintenance Interval</b>        | 4 months  |

## 5.2 P360/P360H: In-Row Liquid Cooling with Heat Recovery (P360H)

The P360 and P360H share the same internal cooling design: In-Row Liquid Cooling.

The P360H is purpose-built for sites where waste heat is a resource rather than a problem. It adds a closed liquid loop that captures thermal energy directly from hot aisles and delivers it to an external heat exchanger for downstream use (greenhouse heating, industrial processes, district heating, etc.).

|                                      |  |
|--------------------------------------|--|
| <b>Cooling Architecture</b>          | In-row liquid cooling units + closed heat capture loop |
| <b>Total Cooling Capacity</b>        | 292.5kW (32.5kW x 9 units)                             |
| <b>Max Recoverable Heat Output</b>   | Up to 360kW  |
| <b>Heat Recovery Efficiency</b>      | Up to 10% of total power input                         |
| <b>Outlet Fluid Temperature</b>      | To be defined accordingly with the customer needs      |
| <b>Fluid Flow Rate</b>               | To be defined accordingly with the customer needs      |
| <b>External Pipe Connection Size</b> | To be defined accordingly with the customer needs      |
| <b>Overheat Protection</b>           | Temperature-regulated outlet with automatic shutdown   |
| <b>Remote Monitoring</b>             | SNMP - integrated with main supervision system         |
| <b>Annual Maintenance Interval</b>   | 4 months   |

## 6. Site Preparation Requirements

This section describes the minimum site conditions that must be in place before delivery and commissioning. PoliCloud can provide a pre-installation site checklist upon request.

### 6.1 Space & Clearance

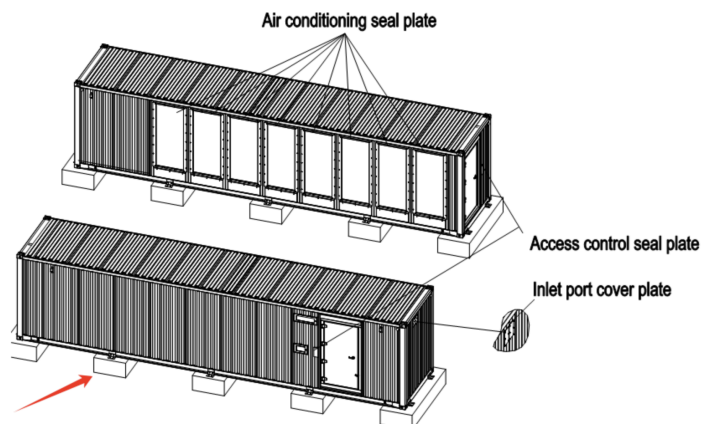
|   |  |
|---|--|
| <b>Minimum Clearance (all sides)</b>            | 2.5 metres, required for ventilation and maintenance access                    |
| <b>Minimum Total Ground Area (P100)</b>         | Approx. 90 m <sup>2</sup>  |
| <b>Minimum Total Ground Area (P360 / P360H)</b> | Approx. 200 m <sup>2</sup>   |
| <b>Side-by-Side Deployment</b>                  | Possible with 3 metres between units - contact PoliCloud for layout validation |

### 6.2 Foundation & Elevation

The container must be elevated to protect against water ingress. Two options are accepted:

- Concrete slab: flat, level surface with minimum 300 mm thickness.
- Support blocks: approximately 40 cm high, capable of supporting 7 tonnes per square metre.
- Pylons: approximately 40 cm high, capable of supporting 3.5 tonnes minimum each.

| Model        | Number of Blocks | Number of Pylons | Support Location                                |
|--------------|------------------|------------------|---|
| P100         | 4                | 6                | One at each corner                              |
| P360H / P360 | 5                | 10               | Spread evenly along the length of the container |



## 6.3 Access & Steps

- Steps must be installed at each door to provide safe entry into the container.
- Easily washable doormats must be installed to guarantee clean access to the container.
- Doors open outward, ensure clearance zones are kept clear of permanent structures.
- For maintenance of cooling and power systems, a minimum 2-metre working clearance at the rear/side bridge is required.

## 6.4 Power Infrastructure

The following must be arranged by the client or their electrician before delivery:

- Upstream transformer sized to the model's maximum power consumption (see Section 3.1 for ratings).
- Power cable runs to the container bridge, cable cross-section to be confirmed based on cable length and installation method.
- Protective earthing/grounding at the container connection point (TN-S system, 1  $\Omega$  maximum).

## 6.5 Internet Connectivity

The client is responsible for providing internet connectivity to the site before or at time of commissioning:

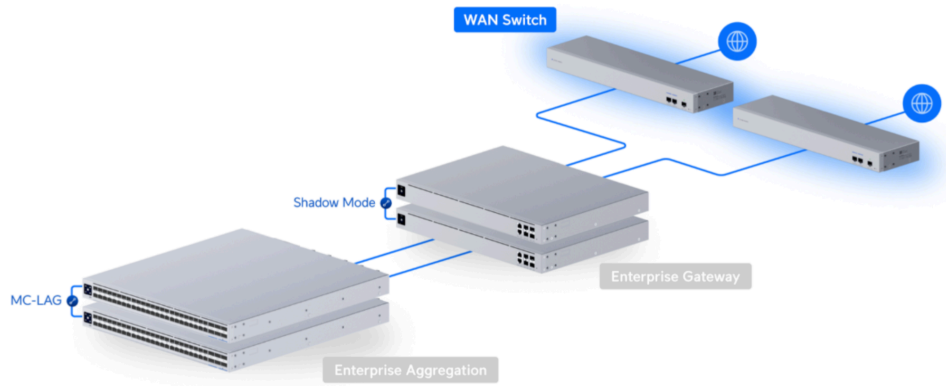
- Primary: dedicated fiber, minimum 10 Gbps symmetrical:
  - P100: 30 public addresses /27.
  - P360/P360H: 70 public addresses /25
- Backup (recommended): second fiber from a different provider (1 to 2 Gbps), Starlink Business, or 5G failover router.
- The modem/ONT must be set to bridge mode to allow PoliCloud to manage routing and NAT.

## 6.6 Security Requirements

The container includes a full access control and surveillance system (see Section 8). In addition, the site must provide:

- Physical perimeter barrier (wall or fence) to prevent unauthorized vehicle or pedestrian access.
- Site gate or entrance secured by key, padlock, or electronic code.
- Adequate external lighting for nighttime surveillance camera operation.

## 7. Networking & Connectivity



### 7.1 Internet Connectivity

|                                  |  |
|----------------------------------|--|
| <b>Primary Connection</b>        | 10 Gbps symmetrical dedicated fiber                                  |
| <b>Public IP Block</b>           | /27 (up to 30 public IPs P100)<br>/25 (up to 70 public IPs for P360) |
| <b>Backup Connection</b>         | Starlink Business / 5G failover (external cellular router)           |
| <b>Additional Backup Option</b>  | Second fiber from a different ISP (1to2 Gbps recommended)            |
| <b>Client-Supplied Modem/ONT</b> | Required in bridge mode - supplied by client / ISP                   |

## 7.2 Internal Network Architecture

|                                     |   |
|-------------------------------------|---|
| <b>Firewall / Router</b>            | Managed and monitored by PoliCloud                  |
| <b>Firewall LAN Uplink</b>          | 25 Gbps   |
| <b>Firewall WAN Capacity</b>        | 10 Gbps   |
| <b>IDS/IPS Throughput</b>           | 12.5 Gbps - active intrusion detection and blocking |
| <b>Router Redundancy</b>            | Dual routers with VRRP for automatic failover       |
| <b>Power Supply (router)</b>        | 2× hot-swap PSU                                     |
| <b>Core Server Switch Capacity</b>  | 1.8 Tbps  |
| <b>Switch Layer</b>                 | Layer 2/3   |
| <b>Switch Ports</b>                 | 48× 25 Gbps + 6× 100 Gbps uplinks                   |
| <b>Switch Uplink Capacity</b>       | Up to 600 Gbps                                      |
| <b>MC-LAG Support</b>               | Yes   |
| <b>VRRP / BGP Support</b>           | Yes   |
| <b>Switch PSU</b>                   | 5× hot-swap   |
| <b>Console / Out-of-Band Switch</b> | 48 ports: 4× 10 Gbps + 16× 2.5 Gbps + 32× 1 Gbps    |
| <b>VLAN / Segmentation</b>          | Multi-tenant VLAN segmentation available on request |
| <b>VPN Gateway</b>                  | Site-to-site VPN supported                          |
| <b>Client-Supplied Firewall</b>     | Client-specific rules on request                    |

## 8. Security, Access Control & Fire Suppression

### 8.1 Video Surveillance

|                           |  |
|---------------------------|--|
| <b>Camera Count</b>       | 8 total: 2 indoor, 4 outdoor, 2 door access            |
| <b>Recording</b>          | Continuous 24/7 with remote access                     |
| <b>Night Vision</b>       | Yes  |
| <b>AI Event Detection</b> | Yes: motion, intrusion, and anomaly alerts, car plates |
| <b>Audio Recording</b>    | Yes  |
| <b>Weatherproofing</b>    | Yes: rated for all deployment environments             |
| <b>Storage Location</b>   | On-site NVR  |
| <b>Footage Retention</b>  | 35 days  |
| <b>Data Ownership</b>     | Client retains ownership of all surveillance data      |
| <b>GDPR Compliance</b>    | Yes, data stored inside the container                  |

### 8.2 Access Control

|                              |   |
|------------------------------|---|
| <b>Methods Supported</b>     | Facial recognition, encrypted badge, QR code, access request bell                 |
| <b>User Enrollment</b>       | Managed via the PoliCloud control interface, client administrator access provided |
| <b>Access Logging</b>        | All events time-stamped and logged with facial verification                       |
| <b>Log Export</b>            | Yes, available via management interface   |
| <b>Multi-Site Management</b> | Yes, centralized management across multiple units                                 |

## 8.3 Fire Suppression

Novec™ 1230 is a clean suppression agent that extinguishes fires without water, foam, or powder. It does not damage electronic equipment and leaves no residue, making post-activation recovery fast and straightforward.

|                                 |  |
|---------------------------------|--|
| <b>Suppression Agent</b>        | Novec™ 1230 Fire Protection Fluid                |
| <b>Detection</b>                | Dual: independent smoke and heat sensors         |
| <b>Activation</b>               | Automatic total-flooding on confirmed detection  |
| <b>Pre-Discharge Warning</b>    | Audible alarm and siren before gas release       |
| <b>Manual Emergency Release</b> | Yes: emergency exit available at all times       |
| <b>Post-Discharge Re-entry</b>  | Safe re-entry after 120 minutes with ventilation |
| <b>Cylinder Recharge</b>        | Arranged by PoliCloud                            |
| <b>Regulatory Compliance</b>    | Local fire regulation compliant                  |

## 9. Operations & Maintenance

### 9.1 Remote Monitoring & Management

|                             |  |
|-----------------------------|--|
| <b>DCIM Software</b>        | Touchscreen on-site + remote web interface   |
| <b>Monitoring Scope</b>     | Power, cooling, temperature, humidity, UPS status, network, access events, fire system           |
| <b>Alert Channels</b>       | Email, SNMP with configurable thresholds   |
| <b>Remote Access</b>        | VPN-secured access to all management interfaces  |
| <b>Autonomous Operation</b> | The container can operate without PoliCloud remote connection; local control panel always active |

### 9.2 Maintenance Schedule

|  |  |
|--|--|
| <b>Preventive Maintenance Interval</b> | 4 months, includes cooling filter inspection, battery SOH check, fire system inspection, cable integrity check |
| <b>Spare Parts</b>                     | Critical items stocked on-site / Non critical items regional warehouse   |
| <b>Cooling Refrigerant Service</b>     | By certified PoliCloud technician or approved partner  |
| <b>Firmware Updates</b>                | Signed and version-controlled — applied during maintenance windows with client notification                    |
| <b>Cybersecurity Patching</b>          | IDS/IPS signatures updated continuously; OS and firmware patches on scheduled cycles                           |

### 9.3 Hardware Failure & Replacement

|                                  |   |
|----------------------------------|---|
| <b>GPU Failure Response</b>      | Remote diagnosis → on-site replacement within 1-2 business days |
| <b>Server Failure Response</b>   | Remote diagnosis → on-site replacement within 1-3 business days |
| <b>Spare GPU Stock (on-site)</b> | 2 units per container (configurable at order)                   |

|                          |   |
|--------------------------|---|
| <b>Warranty Coverage</b> | 5 years, covers hardware defects; excludes physical damage and misuse |
|--------------------------|---|

## 10. Hybrid Mode: AI + Storage + Crypto

PoliCloud containers can be configured in hybrid mode, combining GPU-based AI compute with crypto mining capabilities within the same infrastructure. Power, cooling, and networking are pre-engineered to support both workloads at full capacity.

Key benefits of hybrid mode:

- Diversified revenue streams: run GPU AI workloads and crypto mining simultaneously or alternate seasonally.
- Predictable baseline power consumption: ideal for energy producers with fixed-rate power contracts.
- Future-ready: seamless migration from mining to full AI compute by replacing GPU trays and updating firmware.
- Digital asset accumulation: generate Bitcoin or other crypto revenue during periods of low AI demand.

### 10.1 Hybrid Configuration Details

|                                      |  |
|--------------------------------------|--|
| <b>ASIC Models Supported</b>         | Specify at order   |
| <b>ASIC Efficiency</b>               | Model-dependent  |
| <b>Total Hash Rate per Container</b> | Configuration-dependent  |
| <b>Mining Firmware Control</b>       | Independent from AI compute stack, client-managed                                  |
| <b>Wallet Configuration</b>          | Client controls all mining wallets and pool configuration                          |
| <b>Power Delta (AI vs. Mining)</b>   | Model-dependent  |
| <b>Hardware Swap to AI Mode</b>      | Replace GPU trays and update firmware, no cooling or power system changes required |
| <b>Components Replaced on Switch</b> | GPU trays and firmware only, chassis, PSUs, networking, and cooling unchanged      |

## 11. Delivery & Installation

|                                      |   |
|--------------------------------------|---|
| <b>Production Lead Time</b>          | 12-16 weeks from order confirmation   |
| <b>Delivery Method</b>               | Road / Rail transport / container ship for international, client confirms access route                      |
| <b>Crane / Forklift Requirements</b> | 25000kg capacity minimum, lifting points at 4 positions on container frame                                  |
| <b>Customs &amp; Logistics</b>       | Managed by PoliCloud for international shipments  |
| <b>On-Site Installation</b>          | Included, PoliCloud commissioning team  |
| <b>Installation Lead Time</b>        | 5 days (depending on site readiness)  |
| <b>Commissioning Scope</b>           | Mechanical placement, power connection, network setup, system verification, burn-in test, handover training |
| <b>Permits &amp; Local Approvals</b> | Client responsibility, PoliCloud provides required technical documentation                                  |
| <b>Transformer Supply</b>            | Not included, client responsibility (PoliCloud provides specifications)                                     |
| <b>Generator Supply</b>              | Not included, client responsibility (PoliCloud provides specifications)                                     |
| <b>Steps / Access Platforms</b>      | Not included, client responsibility   |

## 12. Frequently Asked Questions

### Power & Electrical

#### How long will the UPS keep the servers running during a power cut?

- At full load: 15 minutes. At 50% load: 30 minutes. The UPS is sized to allow a clean graceful shutdown of all workloads if grid power is not restored within this window. Runtime can be extended by adding a Lithium battery option or an upstream generator with ATS.

#### What cable cross-section do I need to run from my transformer to the container?

- This depends on the cable run length and installation method (underground, tray, conduit). PoliCloud will provide the required specification as part of the site preparation documentation once the layout is confirmed.

### Cooling & Heat

#### What happens if the ambient temperature exceeds +45 °C?

- The cooling system is rated for continuous operation at up to +45 °C ambient. Above this threshold, cooling capacity begins to derate. PoliCloud can provide derating curves for your specific climate. For sites with frequent extreme heat, additional cooling provision may be recommended.

### Networking

#### Is the 10 Gbps internet connection guaranteed or best-effort?

- This depends on the local ISP and the service agreement in place at the deployment site. PoliCloud can advise on ISP selection and SLA requirements. Clients requiring guaranteed throughput should specify this in order so that ISP qualification is included in the site preparation phase.

## Security & Fire Suppression

### What happens after the fire suppression system activates?

- An audible pre-discharge alarm sounds before gas release, allowing personnel to evacuate. After discharge, the space should be ventilated for 120 minutes before re-entry. PoliCloud must be contacted immediately, a technician will coordinate cylinder recharge and system reset. All access events and sensor logs from the activation are preserved for incident review.

### Who controls access to surveillance footage, and where is it stored?

- The client and PoliCloud retains ownership of all footage. Storage location (on-site NVR) is configured at commissioning. Remote access is available via the management interface. GDPR and local data protection compliance is the client's responsibility; PoliCloud can provide technical configuration support for data residency requirements.

## Operations

### What is the preventive maintenance schedule, and who performs it?

- Preventive maintenance is recommended every 4 months and includes cooling filter inspection, battery state-of-health check, fire system inspection, and general hardware verification. Maintenance can be performed by PoliCloud technicians or an approved local partner. A detailed maintenance schedule is provided at commissioning.