

DATA CENTER



TORUS

torus-technology.com

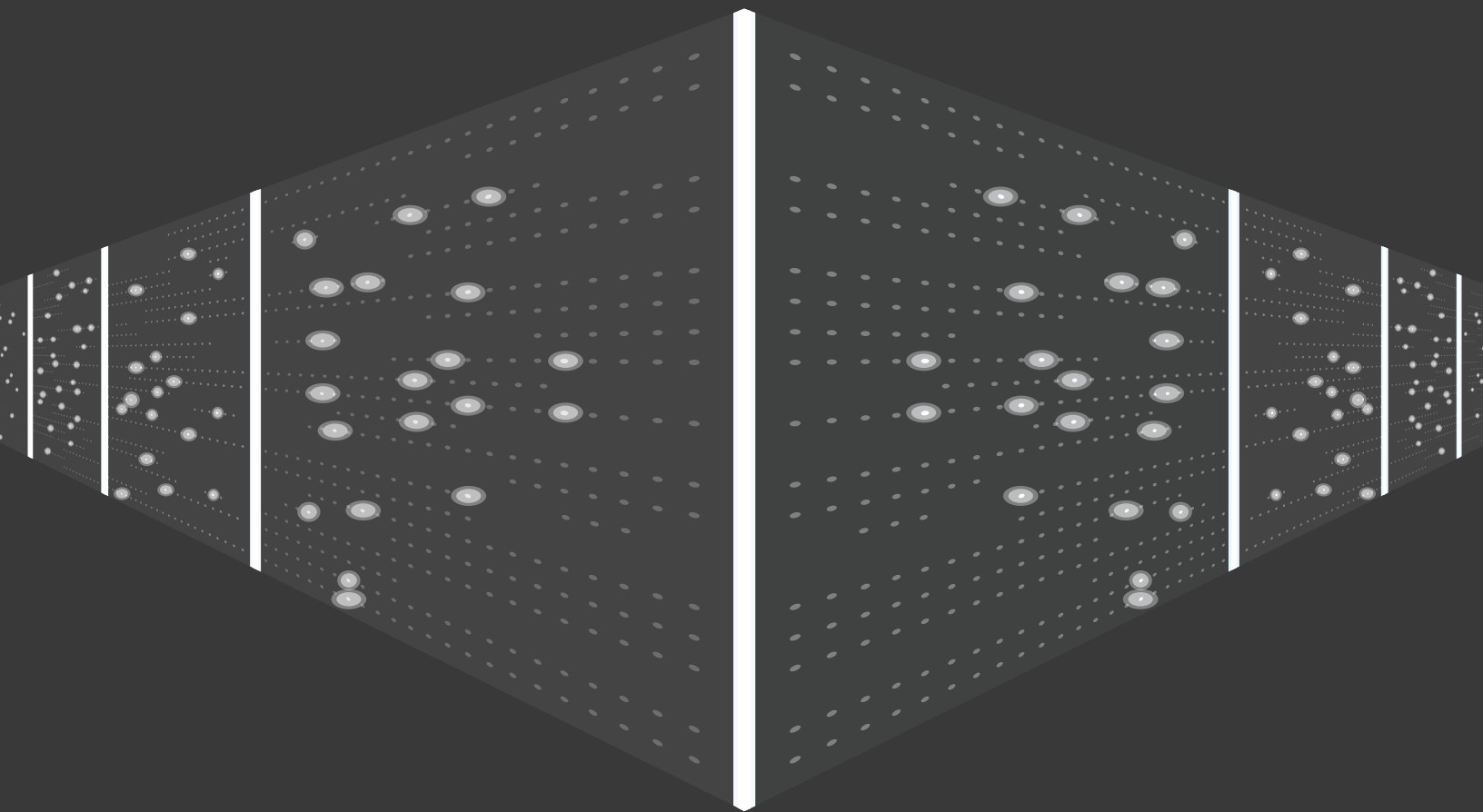
CLOUD-NATIVE ACCESS CONTROL FOR KEYS



KEEPING TRACK OF THE DATA CENTER KEY MAZE

In the data center industry, every key unlocks critical access. But with so many keys in so many places, it's all too easy for them to go missing.

Uncontrolled access to keys can result in severe consequences, including data and physical theft, downtime, safety risks, non-compliance with industry regulations, loss of trust and reputational damage.



Grandmaster / master keys



Cage and Colocation spaces



Networking and Power Equipment Rooms



Secure Storage and Media Destruction Areas



Security



Server Cabinets and Racks



Utility and Maintenance Access



Emergency and Fire Suppression Systems

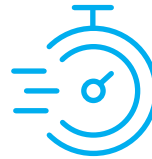
THE PROBLEM WITH KEYS

A missing key is more than just an inconvenience. It's a risk. Because in data center, if the right key is lost or unavailable, the consequences can be severe.



Escalating replacement costs

Regularly replacing missing keys and locks becomes very expensive, very quickly.



Wasted time and resources

Managing keys takes away from other important tasks.



Health and safety hazards

When keys go missing or end up in the wrong hands, it puts safety on the line.



High security risks

Physical vulnerabilities can expose sites to intrusions, potentially disrupting operations and leading to daily revenue losses.



Operational inefficiencies

Manual key handling and traveling between sites - just to collect keys - increases staff downtime and reduces productivity.



Non-compliance

Problematic key management goes against the industry's strict regulations concerning security and access.

WHAT IS TORUS?

Torus is a cloud-native access control solution for keys. It's easy to use and scale across multiple sites - allowing you to manage your organization's keys, cards and tags with ease.

Since 2001, Torus has revolutionized key management in the data center sector.

Harnessing the power and security of cloud-native technology, Torus will elevate the efficiency, security and safety of your workplace.

Torus is proven to mitigate security risks, enhance accountability, ensure authorized access and deliver rapid return on investment.

So, stop wasting time on manual key management. With Torus, you can have complete key control at your fingertips.



COMPLETE CONTROL AT YOUR FINGERTIPS

Control every key across your data center network and ensure only authorized staff access critical infrastructure. You'll also benefit from a secure, scalable system designed to meet the demands of the industry.



Easy to install

With POE, DHCP and no local server requirements, Torus can be fully installed within an hour.



Cloud native

Seamlessly connect key cabinets without any IT hassle and access the software from anywhere.



Certified security

Gain peace of mind with a team of over 3500 Microsoft cybersecurity experts working to safeguard your data.



Remote key control

Make fast, informed decisions with insightful dashboards and reports accessible from anywhere, anytime.



Unlimited scalability

Use one account for unlimited keys, cabinets and buildings – perfect for organizations with multiple locations.



SMS and email alerts

Resolve security issues faster and keep the right people informed with real-time notifications.



Return on investment

Eliminate labor costs, contractor fees and the price of changing locks.



Solution for the future

Torus keeps evolving with over-the-air updates – making it a smart, long-term investment.

DELIVERING SAFETY, SECURITY AND OPERATIONAL EFFICIENCY TO YOUR DATA CENTER

SAFETY

Exception reporting

Torus reports on overdue keys, changes to access rights, unauthorized access attempts and deleted users

Full audit trails

We audit every key event or action that takes place in your organization so users are always accountable

Electrical safety

Torus has achieved the highest levels of electrical and radio frequency safety certifications

SECURITY

Multi-custody keys

We ensure dual or multi-authentication to access critical keys and assets.

Access schedules

Torus grants or restricts access to keys based on day and/or time restrictions.

Real-time alerts

Torus sends you real-time SMS and email alerts on key transactions.

EFFICIENCY

Automated access

Torus ensures keys are available 24/7 to authorized users - no need for security personnel to manage keys manually.

Key return assurance

Torus ensures that keys are always returned and never leave the site.

Seamless integration

Torus integrates with existing access control and other third-party systems.

BANK OF AMERICA 



DCI Data Centers

 **N E X T** D C

 **nVIDIA**

 **Telstra**

TORUS MAKES EVERYONE'S LIVES EASIER



OPERATORS

Torus ensures data center operators have secure, 24/7 access to critical infrastructure without delays.

This means technicians can focus on maintenance and repairs without worrying about lost or misplaced keys.



MANAGERS

Torus delivers control over keys and improves efficiency across sites –making a manager's job much easier.

With automated alerts and full reporting, staying on track of your keys has never been simpler.



SECURITY

Torus enhances security with exception reporting, real-time alerts and multi-factor authentication, preventing unauthorized access to your facilities.

Plus, detailed schedules help maintain compliance with industry regulations, ensuring key control at every level.



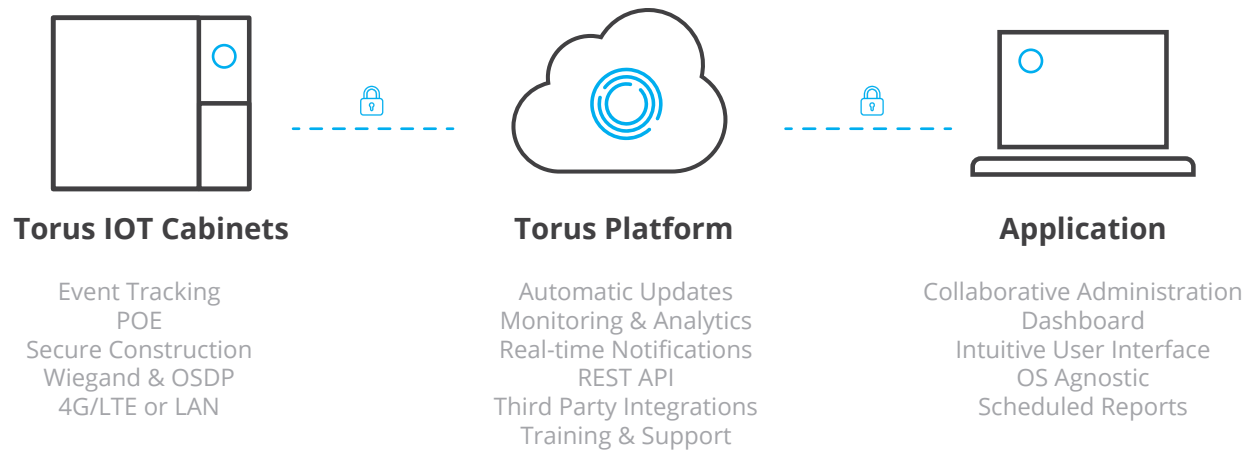
CONTRACTORS

With Torus, contractors receive controlled, time-limited access to keys without compromising security.

What's more, with automated schedules and real-time reporting at their fingertips, your administrators will always know who's working when and from where.

HIGH SECURITY CLOUD INFRASTRUCTURE

Built using the power and security of Microsoft Azure, Torus provides an enterprise-grade key management system.



Manufacturer

Torus is designed and manufactured by CIC Technology Pty Ltd, an ISO 27001 & 9001 certified organization.



Data Security

Torus software inherits Microsoft Azure's multi-layered security, deployed across physical data centers, infrastructure and operations. It is supported by the largest team of cybersecurity experts in the world.

Certifications

Tier 4
ISO/IEC 27001
ISO/IEC 27018

CSA
SOC 1
SOC 2

PCI
DSS
HIPAA

HOW NVIDIA ACHIEVED KEY CONTROL WITH AN INTEGRATED KEY MANAGEMENT SYSTEM

Nvidia Corporation headquartered in Santa Clara, California is known for its graphics processing units (GPUs), which are essential for gaming, professional visualization, data centers, and automotive applications.

THE CHALLENGE	THE SOLUTION	THE OUTCOME
<p>The facilities team at Nvidia faced significant challenges in managing physical keys at their sites.</p> <p>With no effective key control system in place, staff and contractors had unrestricted access to critical keys, resulting in unwanted security risks, limited visibility and accountability.</p> <p>Issues included:</p> <ul style="list-style-type: none"> ✖ No access control for keys ✖ Multiple disparate systems ✖ Lack of accountability ✖ Operational inefficiencies ✖ Safety and security risks ✖ Human error and administrative burden 	<p>Nvidia required an enterprise grade solution that seamlessly integrates with Lenel OnGuard to enable unified user identity and access group management.</p> <p>They selected Torus to replace their legacy system, which didn't meet operational requirements.</p> <p>In return for a modest \$40K per site investment, Nvidia now:</p> <ul style="list-style-type: none"> ✔ Has Torus cabinets configured and installed ✔ Manages keys from a single platform (Lenel) ✔ Receives SMS and email alerts to staff and managers for unreturned keys ✔ Has access to a full audit trail of every key transaction. 	<p>Nvidia transformed its operations, achieving significant time and cost savings.</p> <p>As a result, it:</p> <ul style="list-style-type: none"> + Saves >6,000 hours per year in staff time + Achieved ROI in just 3 months + Improved security with controlled, monitored access + Reduced administrative burden with seamless automation.

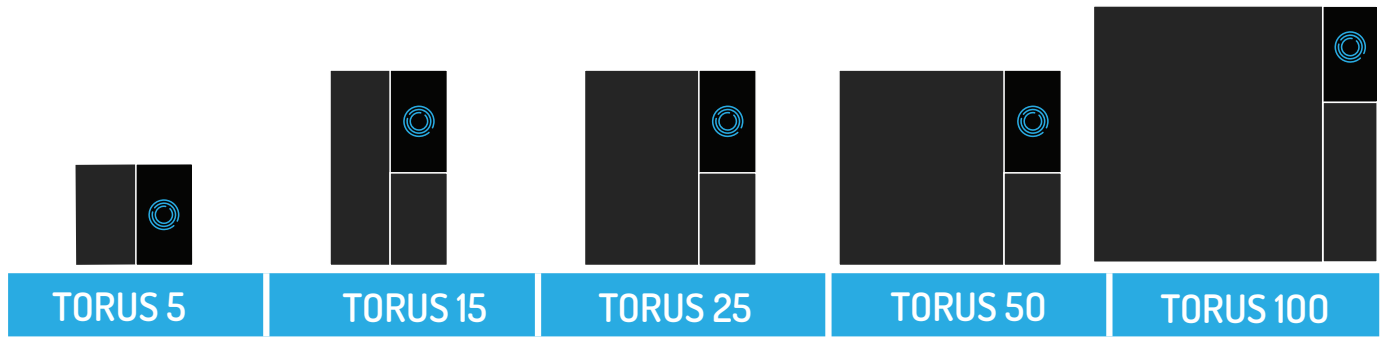


With Torus and Lenel, we've moved from a manual, error-prone key management process to a seamless, automated key management solution that has significantly improved security, accountability, and efficiency across our facility. The ability to receive real-time alerts and monitor key transactions has significantly strengthened our physical security. It's a robust, reliable solution that delivered exactly what we needed.

Nvidia



THE NITTY-GRITTY



CAPACITY	5 key sets	15 key sets	25 key sets	50 key sets	100 key sets
WEIGHT	33lbs	77lbs	92lbs	119lbs	196lbs
HEIGHT	13 ⅛ "	26 ¾ "	26 ¾ "	26 ¾ "	37 "
WIDTH	19 ⅛ "	22 ¼ "	25 ¾ "	34 ¼ "	40 ¾ "
DEPTH	7 ¼ "	7 ¼ "	7 ¼ "	7 ¼ "	7 ¼ "

Metric Units

WEIGHT	15Kgs	35Kgs	40Kgs	54Kgs	89Kgs
HEIGHT	335 mm	675 mm	672 mm	675 mm	942 mm
WIDTH	485 mm	532 mm	620 mm	840 mm	1036 mm
DEPTH	182 mm	182 mm	182 mm	182 mm	182 mm

ACCESSORIES



EMERGENCY
READER DEVICE (ERD)



BIOMETRIC
READERS



TAMPER-PROOF
KEY RINGS



PROX
READERS

Get in touch to learn more about how Torus
can revolutionize your data center.

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