

# EDUCATION



# TORUS

[torus-technology.com](https://torus-technology.com)

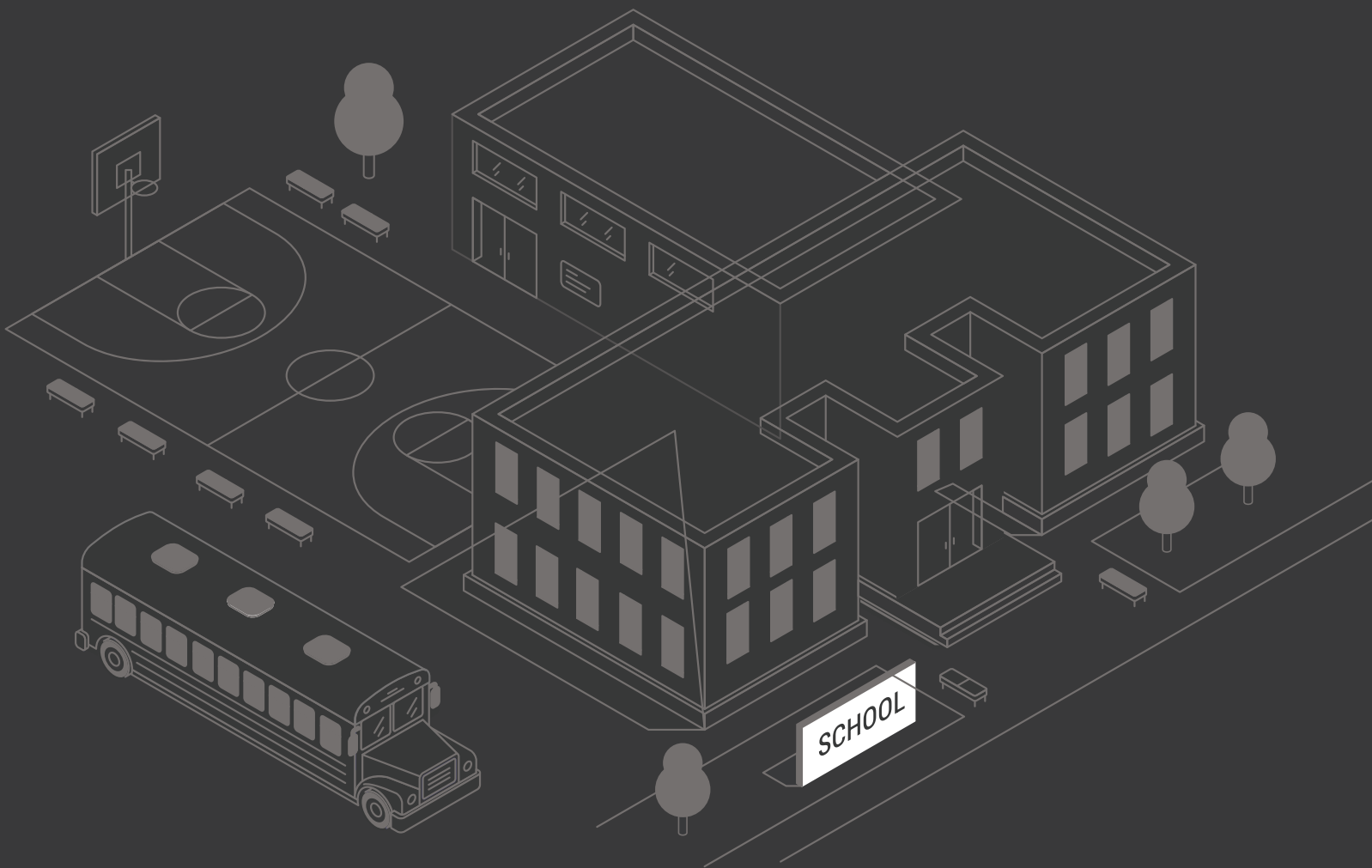
## CLOUD-NATIVE ACCESS CONTROL FOR KEYS



# KEEPING TRACK OF THE EDUCATION KEY MAZE

In the education sector - from K-12 to universities - 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 safety risks for staff and students. There's also the administrative burden, operational disruption and lot's of wasted staff time. Plus the high costs of re-keying.



Grand Master and Master Keys



Administrative Offices



Classroom Access



Gymnasiums and Sports Facilities



Laboratories and Specialized Rooms



Maintenance and Utility Rooms



Main Entrances and External Doors



Storage, Lockers and Supply Rooms

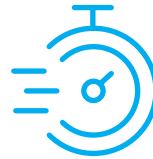
# THE PROBLEM WITH KEYS

A missing key is more than just an inconvenience. It's a risk. Because in education, 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.



## Staff and student safety

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



## High security risks

Physical vulnerabilities can expose campuses to intrusions, potentially disrupting operations and leading to security risks.



## 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 education industry's standards 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 campuses - allowing you to manage your school's keys, cards and tags with ease.

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

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

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 K-12 schools and university network, ensuring only authorized staff access critical assets. You'll also benefit from a secure, scalable system designed to meet the demands of the education sector.



## 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 campuses – perfect for schools and universities with multiple campuses.



## 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 CAMPUS

## 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 campus.

### Seamless integration

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





# TORUS MAKES EVERYONE'S LIVES EASIER



## TEACHERS

Torus ensures teachers and school staff have secure, 24/7 access to critical assets without delays.

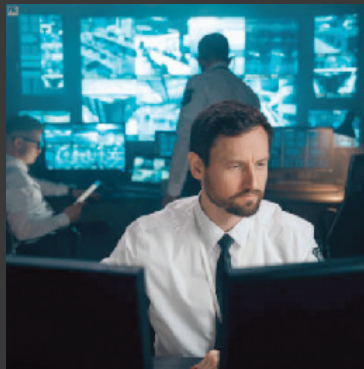
This means staff can focus on quality education without worrying about lost or misplaced keys.



## FACILITY MANAGERS

Torus delivers control over keys and improves efficiency across campuses—making facility 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 campus.

Plus, detailed schedules help maintain accountability ensuring key control at every level.



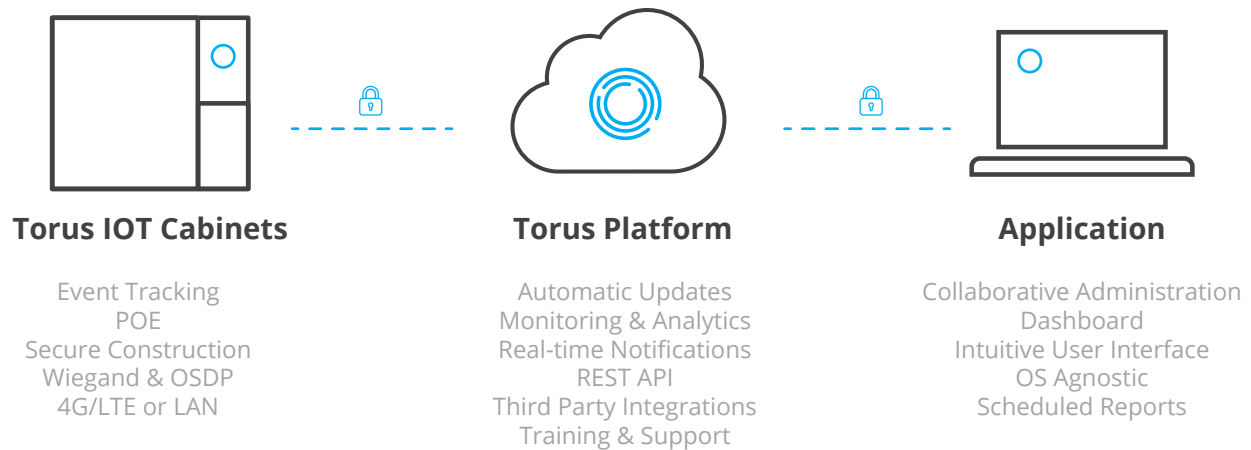
## CONTRACTORS

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.



AVIGILON™



COMPLYFLOW



Genetec



Honeywell



IntelliTrac  
Imagine



SIEMENS

SOFTWARE HOUSE  
C-CURE 1000



wicket

ZKTeco

## 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



# DENVER PUBLIC SCHOOLS SAVES 30,000 HOURS A YEAR – ACHIEVES AN 8.4 –MONTH ROI

Denver Public Schools (DPS) consists of over 200 schools – including traditional, magnet, charter, and pathways schools – with an enrollment of over 90,000 students and 10,000 employees.

THE CHALLENGE	THE SOLUTION	THE OUTCOME
<p>Managing keys across 200+ buildings is a significant challenge. With no access control solution for keys in place, they were controlled manually, resulting in a waste of time and resources. This process was inefficient, frustrating, and raised security concerns for students, staff, and school assets.</p> <ul style="list-style-type: none"> <li>✖ Ineffective key management system across 200 schools</li> <li>✖ No visibility or accountability over who had which keys at any time</li> <li>✖ Human error and key loss</li> <li>✖ Unnecessary travel time</li> </ul>	<p>DPS chose Torus to provide key control, improve efficiency and enhance security.</p> <p>With 200 Torus cabinets strategically located across school campuses, DPS:</p> <ul style="list-style-type: none"> <li>✔ Manages key transactions across 200 school campuses centrally</li> <li>✔ Gained 100% accountability and transparency for all key usage</li> <li>✔ Enjoys automated key management to eliminate manual handovers</li> <li>✔ Enhanced safety for staff and students</li> <li>✔ Receives SMS and email alerts to staff and managers for unreturned keys</li> </ul>	<p>DPS has transformed its operations, achieving significant time and cost savings.</p> <p>As a result, it:</p> <ul style="list-style-type: none"> <li>+ Saves 27,000 hours of labor per year in staff time</li> <li>+ Eliminated signing keys in and out, searching for lost keys</li> <li>+ Achieved ROI in just 8.4 months</li> <li>+ Increased operational efficiency</li> <li>+ Reduced administrative burden with seamless automation.</li> </ul>


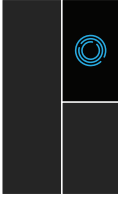
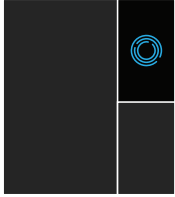
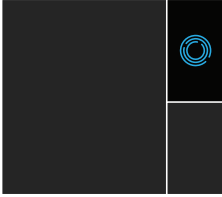



*By eliminating our manual handling of keys, Torus has greatly improved our security and efficiency. We no longer have the frustration of keys going missing and our administrative time has been significantly reduced. If keys are not returned at the end of each day, my team is notified instantly via SMS and email.*

**Executive Director of Facilities Management, Denver Public Schools**



# THE NITTY-GRITTY

				
TORUS 5	TORUS 15	TORUS 25	TORUS 50	TORUS 100

CAPACITY	5 key sets	15 key sets	25 key sets	50 key sets	100 key sets
WEIGHT	33lbs	77lbs	92lbs	119lbs	196lbs
HEIGHT	13 1/8 "	26 3/4 "	26 3/4 "	26 3/4 "	37 "
WIDTH	19 1/8 "	22 1/4 "	25 3/4 "	34 1/4 "	40 3/4 "
DEPTH	7 1/4 "	7 1/4 "	7 1/4 "	7 1/4 "	7 1/4 "

## 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 school.

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