

ZELLA Max

Containerised Data Centres

Technical Specifications (AC powered)



ZELLA DC

Table of contents

Zella Max Containerised Data Centre - benefits and features	3	Access Control	11
Dimensions and Weights	4	Monitoring	12
Zella Max Configurations	5	Physical Security	13
Exterior	6	Cyber Security	13
Interior	7-8	Sensors	14
Switchboard	9	Warranty	14
UPS Configuration	10	Certifications and Ratings	14
Cooling	11	Our products range - Technical Specifications	15

Zella Max Containerised Data Centre - benefits and features



The Zella Max is a 10ft, 20ft or 40ft prefab data centre that features the Zella Pro micro data centres. It's a versatile data storage solution that can be tailored to your needs, quickly and easily deployed to any chosen location.

Zella Max can be located anywhere, including harsh and hostile environments. No matter what interior Zella Pro configuration you have, all can be controlled from a central location. Zella Max is the perfect solution for your edge deployments.

50-60% more **cost effective** than traditional containerised data centres.



With the highly effective Zella Pro at its core, Zella Max is a **sustainable** solution.



Scalable inside & outside - add more Zella Pro or more Zella Max as your business grows.



No need to cool the entire container - each Zella Pro has individual **precision cooling**.



Advanced access security, with dual authentication, barrel locks and mag locks on doors.



Resilient and redundant - each Zella Pro is independent, with its own cooling, access, etc



Easy ordering process and **fast deployment** of a complete plug n play solution.



Zella Max features **cable management** and raised floors for easy and safe use and installation.



No specialist Zella DC people required to **install** your Zella Max - choose your contractors.



Ideal for **multi tenants** ventures as each Zella Pro has its own secure access.



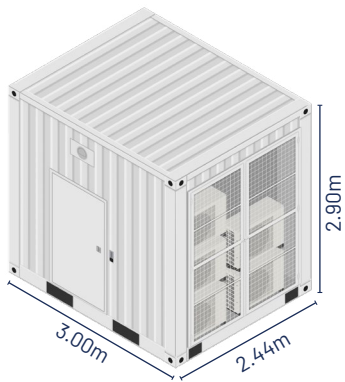
Manage & monitor your IT infrastructure remotely to protect your uptime.



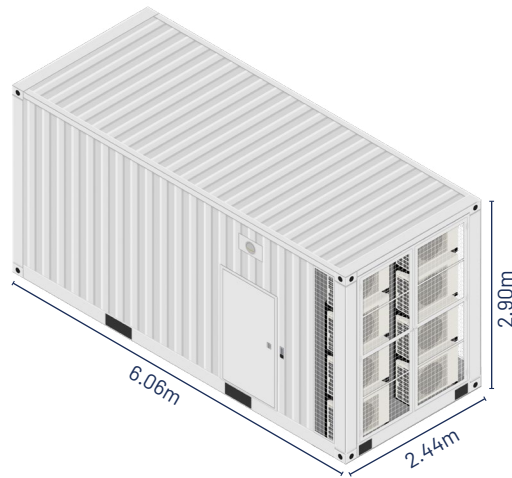
Protect your assets with security camera, door sensors, temp sensors, and smoke sensors.



Dimensions and Weights



ZELLA Max 10



ZELLA Max 20



ZELLA Max 40

	Max 10	Max 20	Max 40
External dimensions (L x W x H) m	3.00 x 2.44 x 2.90	6.06 x 2.44 x 2.90	12.19 x 2.44 x 2.90
Internal dimensions (L x W x H) m	2.84 x 2.35 x 2.69	5.75 x 2.25 x 2.64	11.90 x 2.19 x 2.64
Door width / height (m)	2.34 / 2.27	2.34 / 2.58	2.34 / 2.58
Cubic capacity	15m ³	33.0m ³	76.2m ³
Tare weight	1,200kg	2,300kg	3,900kg
Max cargo weight	12,400kg	24,800kg	26,580kg

Zella Max Configurations

You can start with just one Zella Pro and add more when required.

Key:

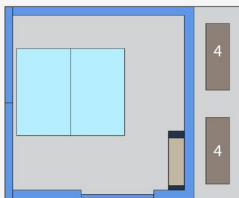
- Container
- Insulation
- Indoor cooling unit
- Zella Pro
- Condenser
- Switchboard

ZELLA Max 10

10ft shipping container

2 Zella Pro

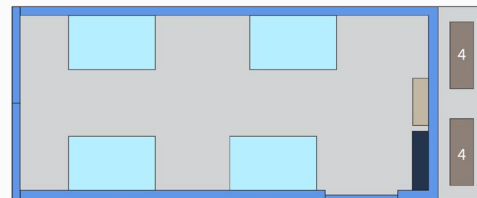
Layout:



ZELLA Max 20

20ft shipping container

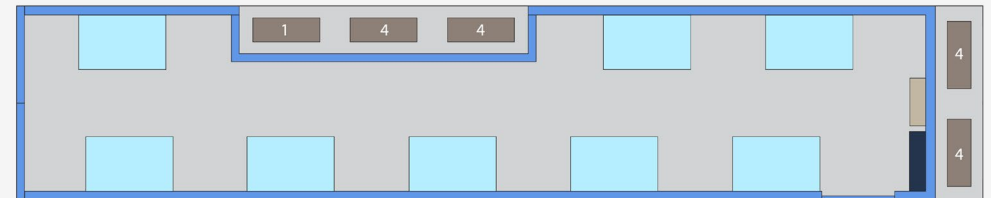
4-6 Zella Pro



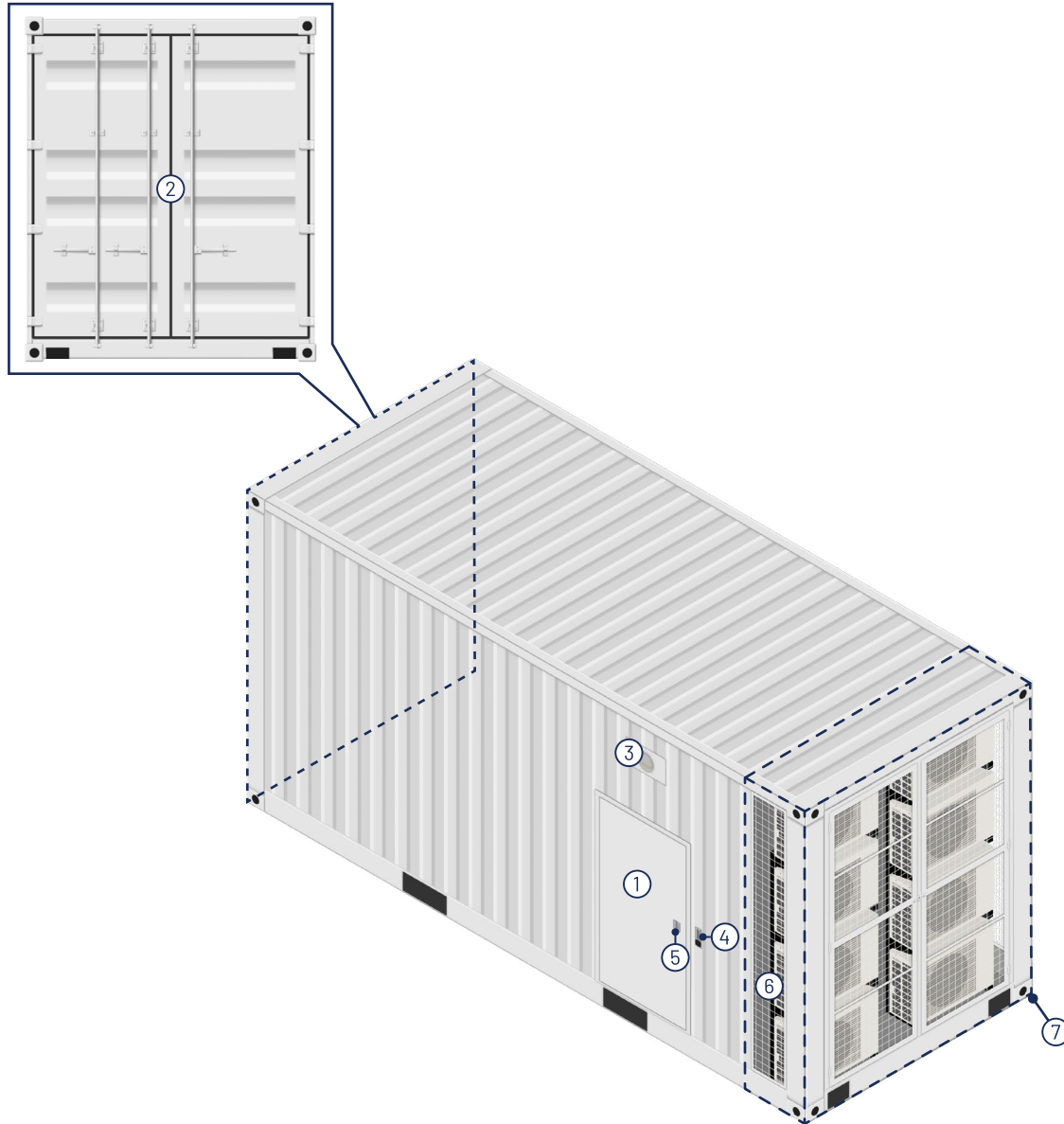
ZELLA Max 40

40ft shipping container

8-10 Zella Pro



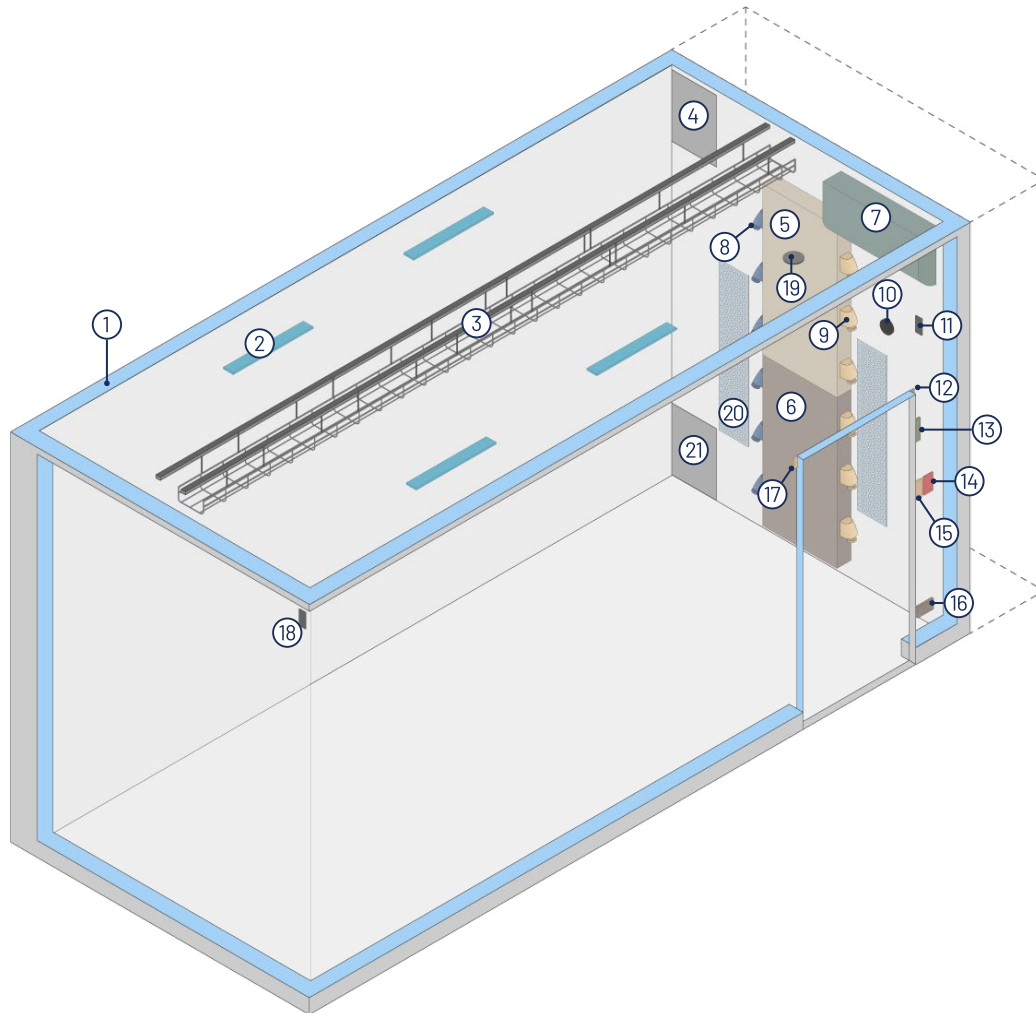
Exterior



Exterior Features

- ① Side door access
- ② Cargo door access
- ③ Outdoor sensor light
- ④ Keypad
- ⑤ Door lock
- ⑥ Side venting for condensers
- ⑦ Condenser cage that can support up to 8 condensers

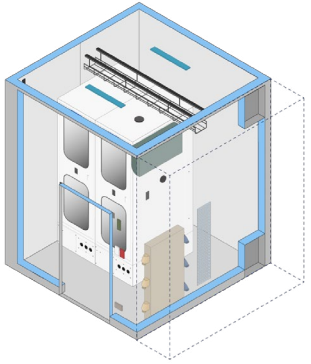
Interior



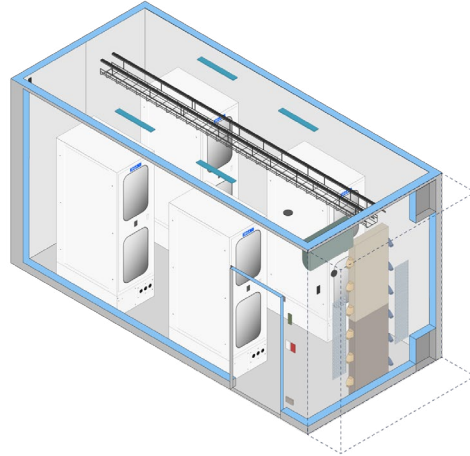
Interior Features

① 50mm insulated EPS walls and roof	
② Interior lighting	⑫ Access door open sensor
③ Roof cable tray	⑬ A/C remote control
④ Comms hatch	⑭ Emergency exit module
⑤ Upper switchboard	⑮ Light switch
⑥ Lower switchboard	⑯ GPO 2 way
⑦ Zella Max split system	⑰ Door magnetic catch
⑧ Zella Pro power sockets	⑱ Cargo door open sensor
⑨ Cooling system power sockets	⑲ Smoke sensor
⑩ Security Camera	⑳ Cable management tray
⑪ Temperature Sensor	㉑ Power & cooling access

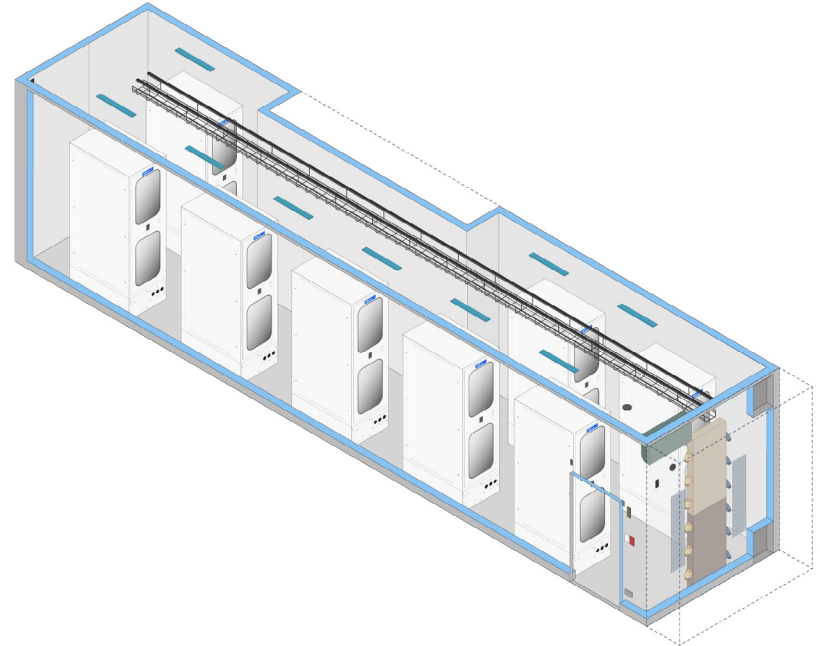
ZELLA Max 10



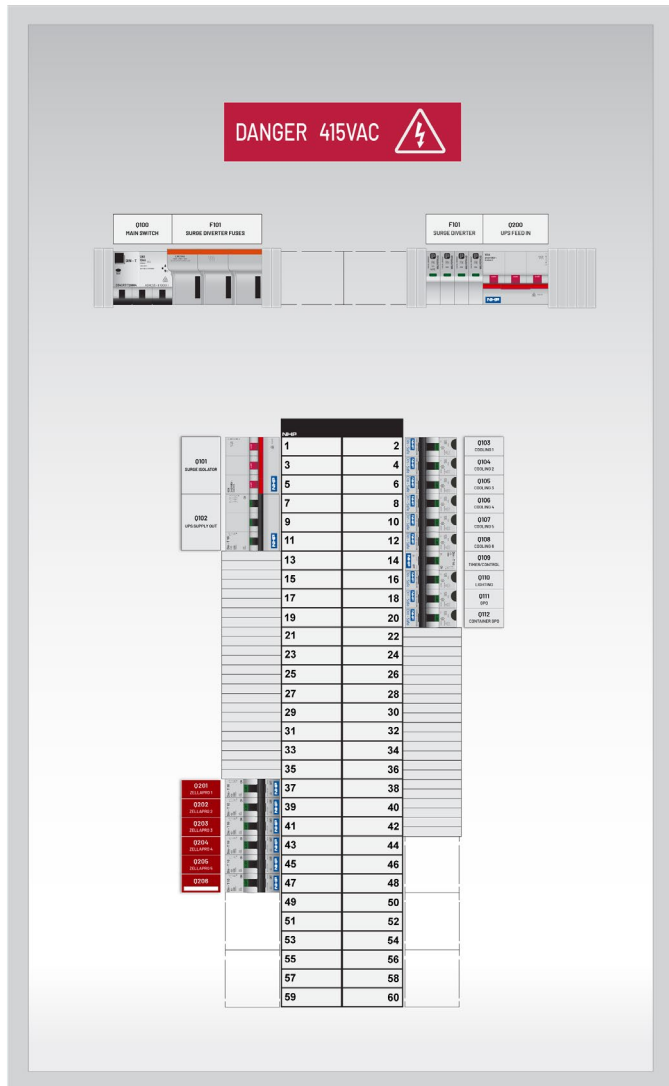
ZELLA Max 20



ZELLA Max 40



Switchboard



Max 10

Standard switchboard supports up to 2 Zella Pro

Max 20

Standard switchboard supports up to 6 Zella Pro

Max 40

Standard switchboard supports up to 10 Zella Pro

Standard inclusions

Three phase input

Easy UPS installation

Surge and RCD protection

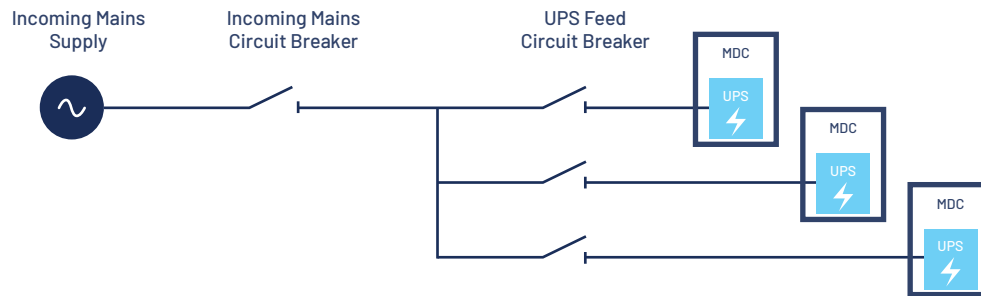
UPS Configuration

The Zella Max is available with two UPS power configuration options

Option 1 - Rack-mounted UPS within each of the Zella Pros

Each Micro Data Centre feed has an independent circuit breaker.

Micro Data Centre feeds are connected using a mains connector on the side of the switchboard.



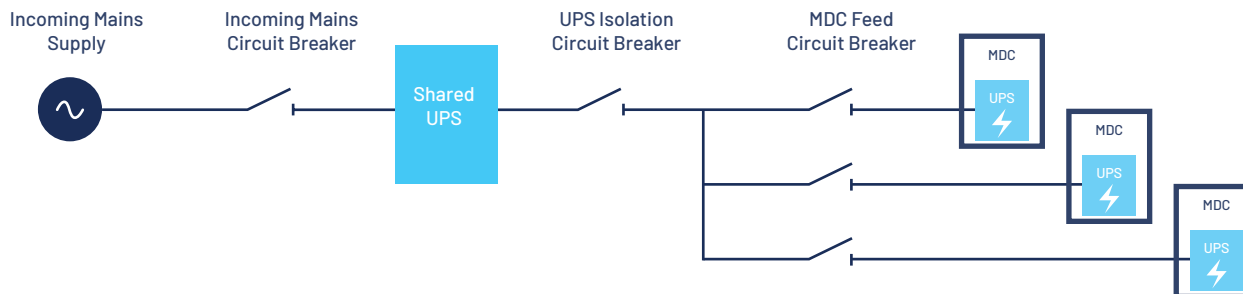
Option 2 - One central UPS

Incoming mains is passed through the switchboard to the central shared UPS.

The UPS output is fed back into the switchboard.

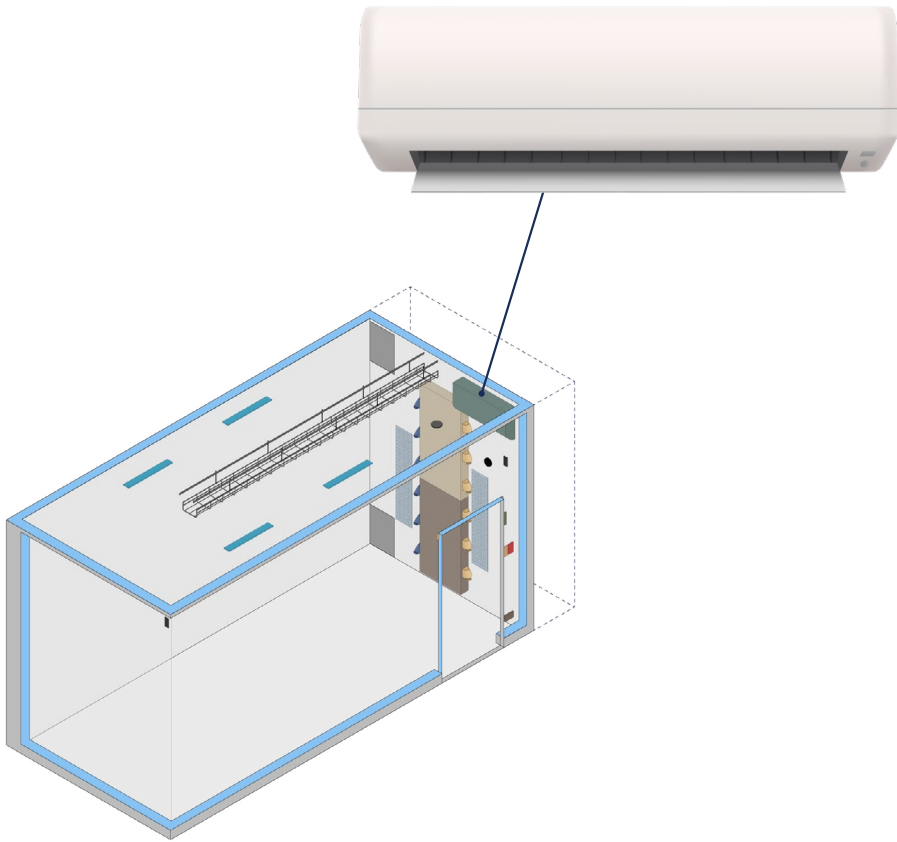
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Cooling

The Zella Max has a 5kw Split System, which can be manually turned on when entering the Zella Max. The split system is remotely controlled via PDview and can be programmed to meet specific needs within the Zella Max.



Access Control

Standard

Access keypad

Dual Authentication (Pin Code & Card)

Remote pin code setting

Double barrel door lock

Door-mounted maglock and emergency exit button

Remote door access control & security control

Internal Webcam

Optional

Additional access cards

Monitoring

PDView comes standard with Zella Max and allows you to quickly gain complete access and control to your Zella Max straight from your smartphone or laptop. The PDView App allows you to push program updates, set up SNMP traps, pull diagnostic files, test features/functionality, and more.

PDView allows you to manage each Zella Max individually:

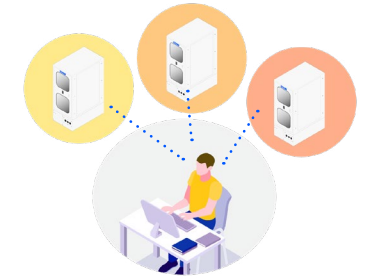
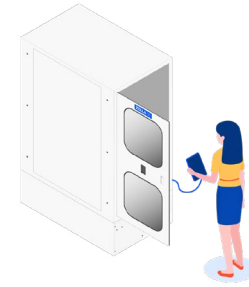
- ✓ Turns your tablet/phone into remote display (iOS & Android)
- ✓ View your critical data via your smart device

If you plan to manage multiple units, we recommend using PowerIQ which allows you to centrally manage and control your distributed micro data centres from a single pane of glass.

Power IQ DCIM Monitoring Software enables IT managers to closely monitor and efficiently utilize their micro data centre power infrastructure. Data center health maps, power analytics, cooling charts, and reports alert you to potential trouble and help you understand real-time power load, trends, and capacity at all levels of infrastructure. A configurable dashboard provides vendor agnostic views of power capacity, environmental health, and energy consumption. Get single-click access to micro data power, cooling, airflow, events, and much more.

Main features include:

- ✓ Environment Monitoring
- ✓ Energy Management
- ✓ Power Management
- ✓ Vendor Agnostic Management



PDView (standard)

Singular - managing one Containerised Data Centre

Network independent - no network required

Integrated within the Zella Max

Standard interface

Pre-programmed within the Zella Max - ready for the Edge

Power IQ (optional)

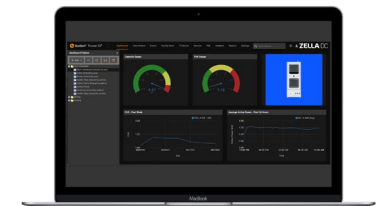
Multiple - intended for managing multiple Containerised Data Centre

Network dependent - requires a network

Hosted in the cloud/on premises

Customisable interface

DCIM - ready to receive notifications from your Edge



Physical Security

All our products can be programmed with **automated actions** to increase security.

The Zella Max is made from **maritime-grade corten steel**.

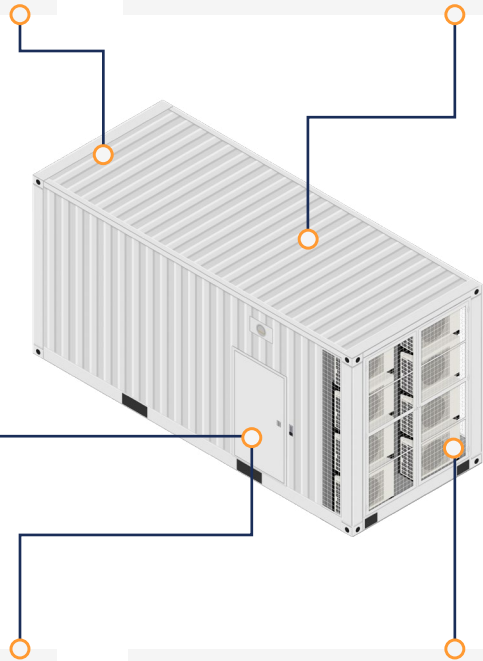
Secure door access with remote access control and a door sensor.

Barrel key lock included.

Side door has **mag locks** with a pulling force of 250kgs.

The Zella Max comes with **keypad and card access** as standard with dual authentication.

The condenser cage is locked and has a cage door sensor.



Cyber Security

Our intelligent micro data centres are equipped with the latest network security protocols, the most diverse options for user authentication and management, and leverage best in class data encryption methods.

Our products are continuously updated in order to provide the safest deployment experience while meeting the increased network security requirements in high-risk environments.

Password policies. Password expiration ensures passwords are refreshed periodically, preventing hackers from accessing the Zella Pro and Zella Max from any known security breaches.



Firewalls. IP-Based Access control Lists (IP ACL) and Role-Based Access Control (RBAC).



Encryptions. We only enable secure encrypted communication by default (HTTPS and SSH). We use the strongest encryption in the industry.



Defences in Depth. Blocking access after repeated failed login, timing out inactive sessions, limiting use of same login, restricted service agreement warnings.



Certificates. CA Certificates and Self-Signed Certificates.



Sensors

Standard

Internal temperature sensor

Roof-mounted smoke sensor

Door access sensors on side door, cargo door, and condenser cage doors

Optional

Internal vibration and motion sensors

Warranty



12 months Zella Care warranty. Applies to all internal electrical and cooling components only.



Extra 2 to 5 years warranty (includes the standard warranty)

Certifications and Ratings

Zella DC Max Series/Componentry comply with many international standards.



Our products range - Technical Specifications



ZELLA Pro AC

Your indoor data centre

[Download](#)



ZELLA Pro DC

Your indoor data centre

[Download](#)



ZELLA Hut AC

Your outdoor data centre

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ZELLA Hut DC

Your outdoor data centre

Coming Soon



ZELLA Max AC

Your containerised data centre



ZELLA Max DC

Your containerised data centre

Coming Soon



ZELLA Pro

Your instant data centre

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ZELLA Fort

Your rugged data centre

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ZELLA DC

Your data centre, your way

About Zella DC

Over a decade ago Zella DC pioneered the micro data centre. Since then, our next-generation server room in a box have been proven to work in the harshest environments on earth. The result is a vendor-agnostic approach to software, hardware manufactured to global standards, and partners across six continents.

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