THE BLACK ICE SERVER CABINET COLLECTION

ULTIMATE CABINETS

THE FLAGSHIP. THE COMPLETE RANGE.



9U / 12U / 15U / SPECIALIST FORMATS

2026

42U / ULTIMATE

A STRONGER FOUNDATION. A CLEARER VISION.

Meet the flagship of the BLACK ICE cabinet collection. A full-height enterprise platform, supported by compact formats and specialist cabinet architectures.



ONE DISTINCTIVE IDENTITY

From distributed IT to the enterprise server room.



A RANGE THAT FITS

9U, 12U and 15U options across all four model families.



19-INCH EQUIPMENT PLATFORM

CORE 42U
ULTIMATE

The full-height centrepiece of the collection. An 800 mm wide enclosure provides room to plan equipment, cable management and separate A/B power routes.



42U ACTIVE CAPACITY

1866.9 mm nominal rack space; 465.1 mm hole-column spacing.



ACCESS THAT SUPPORTS SERVICE

Removable split side panels and twin rear-door arrangement.



CONFIGURE AROUND YOUR EQUIPMENT

Adjustable rear mounting plane; OEM slide kits and PDUs selected to suit.

ENVELOPE / W x D x H

800 x 1200 x 2000 mm





CORE 42U ULTIMATE

Built around the enterprise ambition.

Choose your environment. Find your BLACK ICE.

A shared visual identity. Four different approaches to equipment, depth, cooling integration and physical access.



EDGE

Compact edge and branch installations.



CORE

General-purpose enterprise integration.



FROST AI

Deeper equipment and cooling-service options.



VAULT

Two-barrier access and monitored-entry options.

All four families are offered as 9U, 12U and 15U configurations. Larger specialist formats appear later in this collection.

FOUR FAMILIES. THREE COMPACT HEIGHTS.

Smaller format. Same ambition.



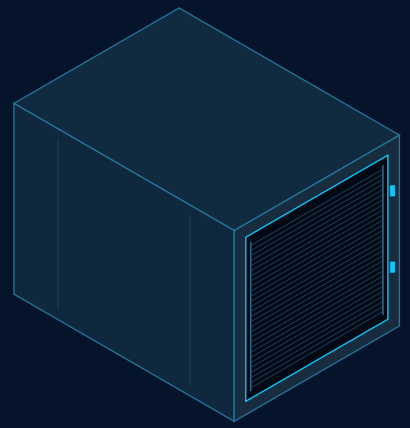
Compact cabinet concepts for branch IT, dedicated equipment zones and project-specific installations.

9U

Four ways to configure your space.

400.05 mm active rack height. Body height 600 mm, excluding feet and external projections.

EDGE



600 x 800 x 600 mm

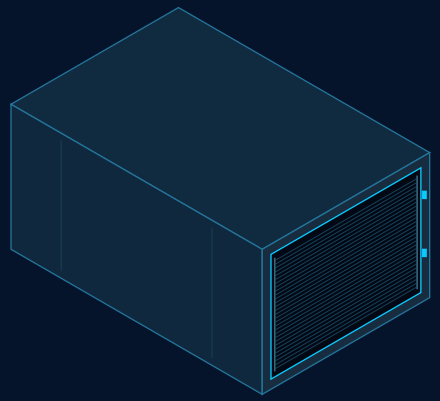
W x D x H / body

Post span 450 mm

Tray depth 350 mm

27 holes / mounting post

CORE



800 x 1200 x 600 mm

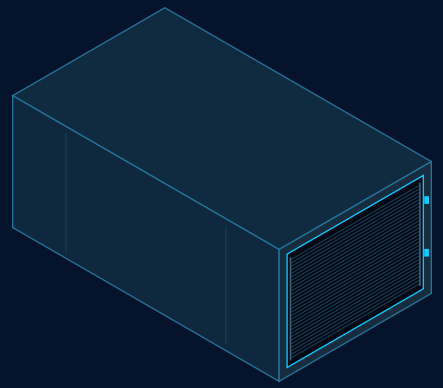
W x D x H / body

Post span 850 mm

Tray depth 650 mm

27 holes / mounting post

FROST AI



800 x 1400 x 600 mm

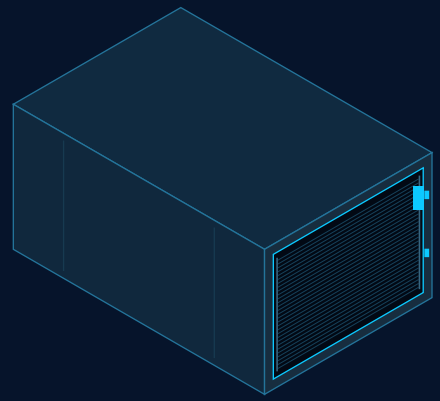
W x D x H / body

Post span 1050 mm

Tray depth 850 mm

27 holes / mounting post

VAULT



800 x 1200 x 600 mm

W x D x H / body

Post span 750 mm

Tray depth 650 mm

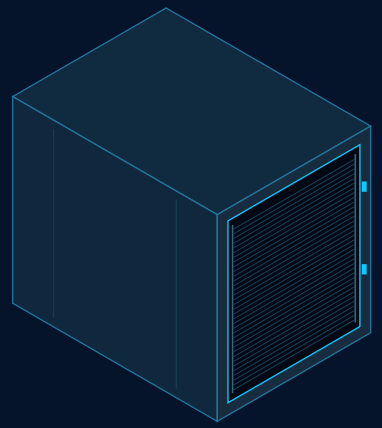
27 holes / mounting post

Dimension-driven concept perspectives. Optional trays, power equipment, access electronics and cooling hardware are configured against the final equipment schedule.

12U Four ways to configure your space.

533.4 mm active rack height. Body height 700 mm, excluding feet and external projections.

EDGE



600 x 800 x 700 mm

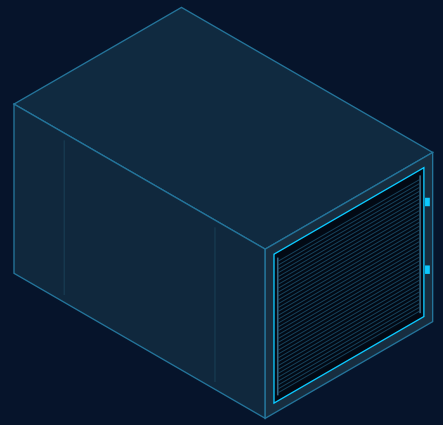
W x D x H / body

Post span 450 mm

Tray depth 350 mm

36 holes / mounting post

CORE



800 x 1200 x 700 mm

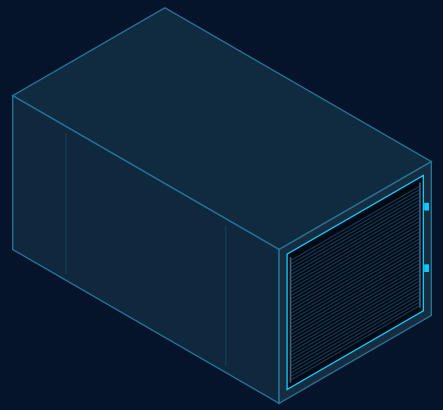
W x D x H / body

Post span 850 mm

Tray depth 650 mm

36 holes / mounting post

FROST AI



800 x 1400 x 700 mm

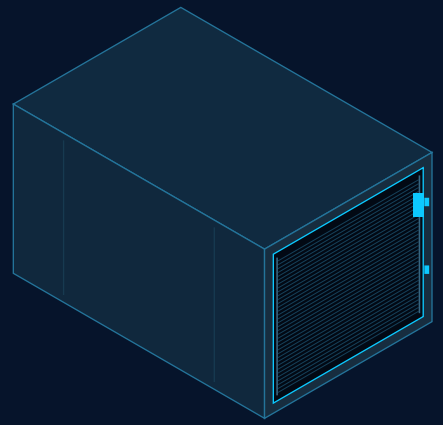
W x D x H / body

Post span 1050 mm

Tray depth 850 mm

36 holes / mounting post

VAULT



800 x 1200 x 700 mm

W x D x H / body

Post span 750 mm

Tray depth 650 mm

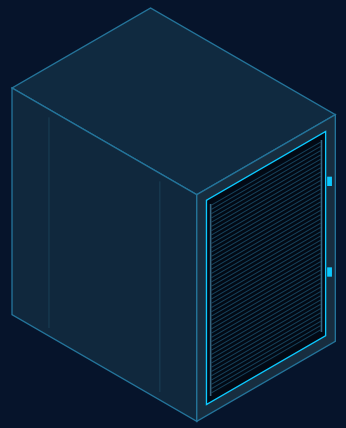
36 holes / mounting post

Dimension-driven concept perspectives. Optional trays, power equipment, access electronics and cooling hardware are configured against the final equipment schedule.

15U Four ways to configure your space.

666.75 mm active rack height. Body height 850 mm, excluding feet and external projections.

EDGE



600 x 800 x 850 mm

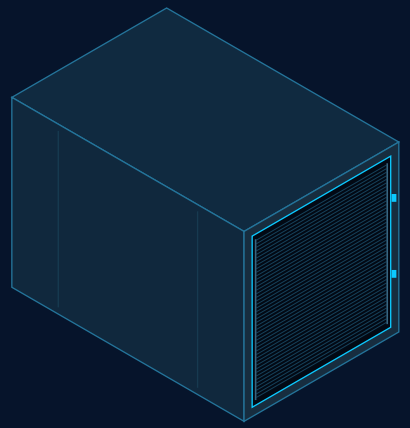
W x D x H / body

Post span 450 mm

Tray depth 350 mm

45 holes / mounting post

CORE



800 x 1200 x 850 mm

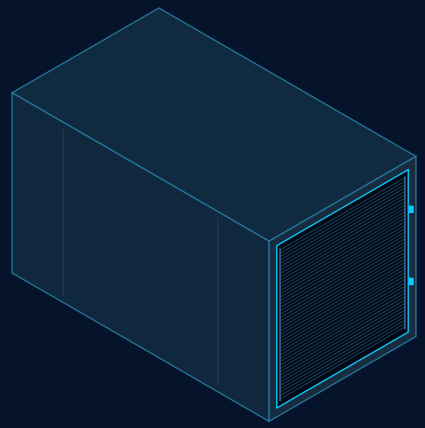
W x D x H / body

Post span 850 mm

Tray depth 650 mm

45 holes / mounting post

FROST AI



800 x 1400 x 850 mm

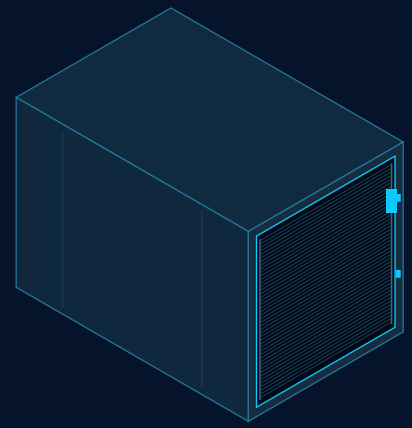
W x D x H / body

Post span 1050 mm

Tray depth 850 mm

45 holes / mounting post

VAULT



800 x 1200 x 850 mm

W x D x H / body

Post span 750 mm

Tray depth 650 mm

45 holes / mounting post

Dimension-driven concept perspectives. Optional trays, power equipment, access electronics and cooling hardware are configured against the final equipment schedule.

9U / 12U / 15U / 24U

EDGE

Connected everywhere.

For branches, distributed computing and short-depth appliances. The compact footprint is paired with serviceable panels, considered cable entries and equipment-specific mounting choices.

COMPACT EQUIPMENT FOCUS

600 mm wide x 800 mm deep across the EDGE formats.

POWER AND CABLE PLANNING

Compact engineering options reserve horizontal A/B PDU positions.

FORMATS / BODY HEIGHTS

9U 600 / 12U 700 / 15U 850 / 24U 1250 mm

Check actual chassis depth, rail compatibility and rear connector clearances. EDGE has no wall-mount rating in this collection.





EDGE

BLACK ICE

Distributed computing at scale.

9U / 12U / 15U / 48U SPECIALIST

FROST AI

Room for the next workload.

A deeper cabinet architecture for AI and HPC integration projects. The 1400 mm depth provides space to plan long equipment, connections and optional cooling-service interfaces.

DEEPER EQUIPMENT ENVELOPE

800 mm wide x 1400 mm deep across the FROST AI formats.

OPTIONAL LIQUID-SERVICE PROVISIONS

Mounting, drip-pan and leak-sensor provisions in compact engineering packs.



FORMATS / BODY HEIGHTS

9U 600 / 12U 700 / 15U 850 / 48U 2270 mm

48U is an extended specialist concept. Thermal and hydraulic performance require a complete selected OEM system and project validation.



FROST AI

BLACK ICE

Space to plan advanced computing.

9U / 12U / 15U / 42U

VAULT

Access, considered.

For environments that require a more controlled approach to physical access. A second front barrier, protected cable entries and optional monitoring define the architecture.

TWO-BARRIER FRONT ACCESS

Outer access door plus an internal perforated access barrier.

MONITORING OPTIONS

Reader, monitored lock, contacts and event integration selected to suit.



FORMATS / BODY HEIGHTS

9U 600 / 12U 700 / 15U 850 / 42U 2100 mm

No certified security or ingress rating is assigned. The installed two-barrier assembly requires access, airflow and hardware validation.



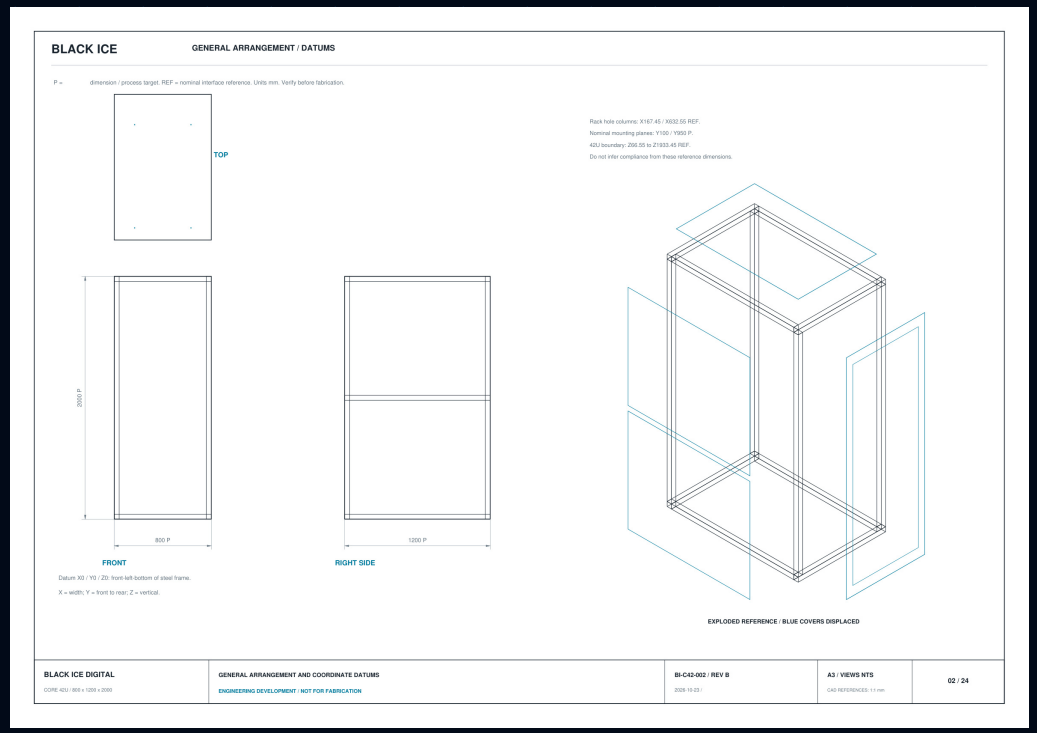
VAULT

BLACK ICE

A considered approach to physical access.

A platform with room to work.

Plan the cabinet as a complete equipment, airflow, power and service system.



19-INCH MOUNTING

42U = 1866.9 mm active rack space. Nominal 850 mm post span at Y100/Y950.

SERVICEABLE SHELL

Removable side panels, twin rear doors and roof/base cover provisions.

EQUIPMENT-SPECIFIC SLIDES

OEM slide kits, rear connectors and cable-arm sweep checked as one assembly.

Development geometry shown for concept review. Fabrication tolerances, loads, joints, OEM interfaces, bonding and thermal qualification remain subject to engineering release.

Every format. One collection.

Enclosure body dimensions, W x D x H in millimetres. Equipment is specified separately.

MODEL / FORMAT	W x D x H / mm
EDGE 9U	600 x 800 x 600
CORE 9U	800 x 1200 x 600
FROST AI 9U	800 x 1400 x 600
VAULT 9U	800 x 1200 x 600
EDGE 12U	600 x 800 x 700
CORE 12U	800 x 1200 x 700
FROST AI 12U	800 x 1400 x 700
VAULT 12U	800 x 1200 x 700

MODEL / FORMAT	W x D x H / mm
EDGE 15U	600 x 800 x 850
CORE 15U	800 x 1200 x 850
FROST AI 15U	800 x 1400 x 850
VAULT 15U	800 x 1200 x 850
EDGE 24U	600 x 800 x 1250
CORE 42U ULTIMATE	800 x 1200 x 2000
VAULT 42U	800 x 1200 x 2100
FROST AI 48U	800 x 1400 x 2270

CORE 42U ULTIMATE is the featured enterprise flagship. EDGE 24U and FROST AI 48U retain their specialist concept formats. Feet, handles, door swing and service travel can increase the installed envelope.

Start with the equipment. Build the right cabinet.

01 / CHOOSE CAPACITY

Select 9U, 12U or 15U for compact installations, or the 42U ULTIMATE flagship. Consider specialist EDGE, FROST AI and VAULT formats.

02 / CHECK THE FIT

Confirm chassis dimensions, front/rear mounting span, rail kit, connectors, cable bend radii and service stroke.

03 / PLAN THE SERVICES

Define power feeds, PDU location, heat load, airflow direction and any complete OEM liquid-cooling solution.

04 / DEFINE THE ACCESS

Specify mechanical locks, removable panels, optional monitoring and the site service/handling environment.

Final material grades, finish, payload, anchoring, welds, bonding, tolerances and supplier hardware are confirmed through the engineering and quotation process.

DEFINE / CONFIGURE / VALIDATE

Your installation starts here.

Tell us what needs to fit, how it will be serviced and where it will operate. We will shape the cabinet proposal around those requirements.

01

EQUIPMENT SCHEDULE

Make, model, U-space, depth, mass and mounting kit.

02

SITE REQUIREMENTS

Available space, power, cooling, access and handling.

03

CONFIGURATION PROPOSAL

Cabinet format, accessories, finish and engineering scope.

Product and environment visuals show design concepts. Equipment, cooling and access electronics are separately specified. Dimensions and performance require final validation; no certified load, cooling, security or ingress rating is implied.

YOUR EQUIPMENT.
YOUR ENVIRONMENT.
YOUR BLACK ICE.

The 42U ULTIMATE flagship.
The compact 9U, 12U and 15U collections.
Four distinctive cabinet families.

LET US SHAPE YOUR NEXT INSTALLATION.

Discuss your cabinet format, equipment and configuration requirements.



blackice.co.za

+27 83 554 2118

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