

Today's New Server & Network Rooms

Protection of rackmounted I.T. assets

Black Box have evolved a unique set of products specifically designed to protect today's server, network and RAID systems. Most, if not all I.T. hardware is now 19" rack-mountable, therefore the I.T. environment can shrink in terms of cost, size and maintainability.

EnviroRac® offers rapid deployment of 19" rack mounted I.T. environments, at a fraction of the older style computer room costs whilst offering massive environmental protection.

Your servers, your storage arrays, your routers, switches and gateways, plus of course all the associated UPS and cabling can all be safely housed in **EnviroRac®**

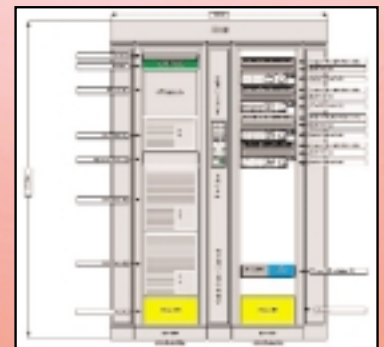
EnviroRac® offers:

- 1, 2, 3 or 4 bay builds
- 38U height as standard, but from 27U to 47U optionally
- 15,000, 30,000, 45,000 or 60,000 BTU air conditioning
- Fire and Smoke detection with automated fire suppression
- Access Control through local or remote keypad, biometric or I/P released entry systems
- Glass or steel doors, depending on siting requirements
- Environmental protection and monitoring: temperature, humidity, water detection, unauthorised access
- Alarm reporting via web, IP, SMS and/or email
- UPS configurations to suit

It takes days not weeks to deploy a fully protected 19" based computer room in a fraction of the space and cost normally required. One other significant benefit which comes with **EnviroRac®** deployments are savings in energy costs. Cooling a small space as opposed to whole computer areas can save thousands of pounds per annum in electricity charges.

Benefits

- Savings in space
- Savings in money, energy and hardware
- Rapid deployment, typically 2-3 days
- Rapid disaster recovery, using "RoRo" techniques
- Able to deploy in plant rooms, public areas or offices
- Increase in data security
- Minimised system downtime due to instant reporting of detrimental environmental changes
- Less Operations involvement, Lights out computing space, all server, network and patching management and monitoring can be performed remotely using IP



one
source

EnviroRac® general overview

- 38U cabinets, options from 27U up to 47U
- 1,2,3 or 4-bay suites
- Smoked front glass door lined with Clear-Kling® shield - fully hinged - secured with magnetic locks, door embossed with the approved logo(s) or text on the glass (optional)
- Removable side covers - solid steel - secured with internal latches
- 100mm height plinths (integral for side and rear cable entry)
- Cable management closets that regulate airflow and manage cable reticulation into and between the cabinets, also house access control and fire detection/protection unit
- Stainless steel secondary drip tray and air-conditioning mounting bracket
- External quick release air conditioner facia
- Internal front cabinet lights activated by front door limit switch
- Internal rear cabinet lights activated by front and rear door limit switch
- 5 way power array units -2 units per cabinet
- Serial number fixed to cabinet central column

Physical Dimensions of a typical 2-bay EnviroRac® suite

- External dimensions (per cabinet)
 - Height 2,300mm (38U of usable mounting space)
 - Depth 1,000mm
 - Width 750mm
- Overall footprint of 2 bay-units in position with doors closed
 - Height 2,300mm
 - Depth 1,000mm
 - Width 1,650mm (750mm for each additional bay)
 - Front door open maximum 600mm, rear door open maximum 505mm
- Materials - aluminium, steel and glass
- Weight - maximum 470kg, inc 2 A/C units
- Colour - black throughout or powder-coated pale grey, doors blue
- Branding - proposed logos or text sandblasted on front doors
- Components included - 4 x 19" upright supports per cabinet
- Example usage capacity

- Ethernet switches
- CAT5e/6 patch panels
- Fibre Optic Cable Management
- Cable Management Panels
- UPS
- PABXs

- AIT autoloaders
- Routers/VOIP Systems
- Environment Monitor/Alarm
- HP/IBM/Sun/Dell servers
- RAID arrays



Further detailed technical information

Contact your local Black Box representative for full technical details, including air conditioning, fire, environmental, power protection and access control specifications.