

Server Rack Cabinets for Tech Storage

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Network & Infrastructure



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A server rack cabinet houses switches, servers, patch panels and network hardware in a secure, ventilated, organised frame, protecting lab equipment and making the network serviceable. Racks bring order to the tech storage room.

Key Features

- 19 inch rack mounts, 12-42U
- Lockable glass or mesh doors
- Cable management panels
- Ventilation and fan trays
- Floor and wall-mount sizes

Typical Uses in the Workshop

- Mount switches, servers and patch panels
- Organise lab network hardware
- Secure equipment from interference
- Run cabling tidily

Safe Operation

1. Assemble the rack on level ground
2. Fit rails and mount the units
3. Route and patch the cables
4. Label every port and unit
5. Lock the doors after work

SAFETY NOTES

- Secure the rack against tipping (top-heavy)
- Keep the power routing safe and earthed
- Do not overload the rack weight
- Manage cables away from fans
- Lock access for authorised staff

Maintenance & Consumables

- Dust the units and fans
- Check the door locks and hinges
- Manage cables as the network grows
- Monitor the airflow and temperature
- Update the rack documentation

Specification & Buying Notes

Choose a rack with mesh panels for airflow, cable management and locks sized to the equipment. Quality racks are rigid; cheap ones sag under switch loads.