

MAC address filtering

Syllabus definition:

“MAC address filtering allows devices to access, or be blocked from accessing a network based on their physical address embedded within the device’s network adapter”

This address is unique to a device and never changes. It can be used to identify that device rather than a specific user

MAC address filtering

Markscheme points:

- takes the (unique / specific) MAC address for a device;
- and checks to see if it is in the list of allowed / blocked addresses;
- and only allows device to connect to the system if it has permission to do so

MAC address filtering

Example of use:

The University of Northampton has a dedicated gaming network for students to use (presumably because this takes up substantial bandwidth that would annoy other users trying to work)

To use the network the device has to be registered - using the MAC address

[Details - How to find your MAC address](#)