

# Network Basics



## What is a Network?



A network can be described as two or more computer connected together.

Is this a network?



## Two Types of Network



### Type 1: LAN

*T. Find out what is stands for?*

Local Area Network

*T. Find out what a LAN is?*

- LANs are characteristic by high speed transmission over a restricted small geographical area.
- Often in one building or site.
- Network is often owned/controlled by single person or organisation.



## Two Types of Network



### Type 2: WAN

*Q. What does it stand for?*

Wide Area Network

WANs are used to links LANs that are separated by large distances that range from a few tens of metres to thousands of kilometres.

What is the biggest WAN in the world?



## IP Address



- Every computer on a network must have an IP address.
- This IP address must be **unique** to that address (network)
- Similar to a postal address
- You **CAN'T** take it with you



63.255.173.183



## Router



Device that makes it possible to connect different networks together.



Homes and businesses use a router to connect to the internet.

## Key Terms:

Network	LAN	WAN	Hardware	Topology	BUS
STAR	Stand Alone	Data Packet	IP	MAC	Protocol