

Key terms for AS

SUMMARY OF KEY TERMS

Term	Definition
Abstraction	Removing unnecessary details
Algorithm	Step-by-step solution
BCD	Binary Coded Decimal
Bit	Binary digit (0 or 1)
Bitmap	Image made of pixels
Bus	Data transfer pathway
Cache	Fast memory for frequently used data
Client	Computer requesting services
CPU	Central Processing Unit
Database	Organized data collection
Decomposition	Breaking into sub-problems
DNS	Domain Name System
Encryption	Coding data for security
Ethernet	Network technology
Firewall	Security barrier
Gateway	Network connection point
GUI	Graphical User Interface
Hexadecimal	Base 16 number system
HTML	HyperText Markup Language
HTTP	HyperText Transfer Protocol
IP Address	Unique device identifier
LAN	Local Area Network

Term	Definition
Lossless	Compression without data loss
Lossy	Compression with data loss
MAC Address	Unique hardware address
Malware	Malicious software
Modem	Modulator-Demodulator
Network	Connected computers
Normalization	Database organization process
Operating System	System software managing hardware
Pixel	Picture element
Protocol	Communication rules
Pseudocode	Simplified programming notation
Router	Network connection device
Server	Computer providing services
SQL	Structured Query Language
Subnet	Sub-network division
TCP/IP	Internet protocol suite
Topology	Network arrangement
Vector	Mathematically defined graphics
Virus	Self-replicating malware
WAN	Wide Area Network

Revision #1

Created 2026-03-16 12:07:32 UTC by Samuel Lee

Updated 2026-03-16 12:07:42 UTC by Samuel Lee