



AIROMAN INSTITUTE

Zid Se Hi, Jeet Hai

CompTIA Network+

Certification Course

Industry Recognized Certification

What You Will Gain

- ✓ Deep understanding of networking concepts & infrastructure
- ✓ Hands-on skills in troubleshooting & network security
- ✓ Industry-recognized CompTIA Network+ certification
- ✓ Strong foundation for a career in IT Networking

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About the Course

CompTIA Network+ is a globally recognized IT certification that validates the essential skills needed to confidently design, configure, manage, and troubleshoot wired and wireless network infrastructure. At Airoman Institute, we deliver a comprehensive, hands-on training program that prepares you for this industry-standard certification.



Goal

Clear the CompTIA Network+ exam



Duration

Flexible batch timings available



Certification

Industry-recognized global credential



Career

IT Networking & Security roles

Why CompTIA Network+?



Vendor-neutral certification accepted worldwide across all IT domains



Covers latest networking technologies including cloud, virtualization & IoT



Gateway to advanced certifications like CCNA, Security+, and CASP+



High demand for Network+ certified professionals in IT industry

Who Should Enroll?

- IT freshers & students building a career in networking
- System & network administrators seeking certification
- Help desk technicians looking to advance their skills
- Anyone preparing for CompTIA Network+ exam

Detailed Course Chapters

Chapter

01

Basics of Computer Network

Introduction to networking concepts, types of networks (LAN, WAN, MAN), network components, and fundamental communication principles.

Chapter

02

OSI Model

In-depth understanding of all 7 layers of the OSI reference model, their functions, protocols associated with each layer, and data encapsulation.

Chapter

03

Transmission Media

Guided and unguided media — twisted pair, coaxial, fiber optic cables, and wireless transmission including characteristics and applications.

Chapter

04

Networking Devices

Study of key devices — hubs, switches, routers, bridges, repeaters, modems, gateways, access points and their roles in a network.

Chapter

05

Topologies

Bus, Star, Ring, Mesh, Tree and Hybrid topologies — advantages, disadvantages, practical use cases and performance comparison.

Chapters 6 – 10

Chapter

06

Local Area Network Basics

LAN design, components, CSMA/CD, Ethernet standards, LAN segmentation, VLANs and practical LAN setup and configuration.

Chapter

07

IP Addressing

IPv4 and IPv6 addressing, subnetting, CIDR, private vs public IPs, address classes, NAT, and practical IP configuration techniques.

Chapter

08

TCP/IP

TCP/IP model and protocols, three-way handshake, UDP, common application layer protocols (HTTP, FTP, DNS, DHCP) and port numbers.

Chapter

09

Ethernet Advanced

Advanced Ethernet concepts — 10/100/1000 Ethernet, switching, spanning tree protocol, link aggregation, and modern Ethernet standards.

Chapter

10

Installing the Network

Physical network installation — cable management, patch panels, racks, tools, testing and documenting network infrastructure.

Chapters 11 – 13

Chapter

11

Wireless Networking

IEEE 802.11 standards, Wi-Fi setup and configuration, wireless security (WPA2/WPA3), access point placement, SSID, and troubleshooting wireless issues.

Chapter

12

Connecting to Internet & Sharing Internet Connection

ISP connection types (DSL, cable, fiber, 4G/5G), ICS, NAT, proxy servers, broadband setup, and practical internet sharing configurations.

Chapter

13

Troubleshooting Network Problems

Systematic troubleshooting methodology, common network errors, diagnostic tools (ping, tracert, ipconfig, netstat), and resolving connectivity issues step by step.

Course Summary

13 Comprehensive Chapters • Hands-on Labs • Exam-Focused Preparation
From Network Basics to Advanced Troubleshooting — Complete Coverage

Why Choose Airoman Institute?



Expert Faculty

Certified trainers with real-world industry experience in networking and IT infrastructure



Hands-on Labs

Practical lab sessions with real networking equipment and simulation tools



Study Material

Comprehensive study material, notes, and practice question banks provided



Exam Preparation

Mock tests, previous papers, and exam-focused preparation strategies



Prime Location

Located near Tilak Nagar Metro Station, easily accessible from all parts of Delhi



Small Batches

Personalized attention with small batch sizes for better learning outcomes

Career Opportunities After Network+



Network Administrator



Network Support Technician



IT Help Desk Specialist



Systems Administrator



Network Security Analyst



Cloud Network Engineer



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