

Speed up your network with Optical LAN

Connectivity and bandwidth demands are rising, making traditional copper LANs insufficient. It's time to upgrade with Nokia Optical LAN (POL) – a fibre optic Nokia solution to power your business into the future.

Westcon | NOKIA



Dial-Up Internet (Early 1990s)

First widely accessible home internet connectivity

Used telephone lines and modems

Up to 56 Kbps speed

Main access method for the next decade, despite tying up phone lines

DSL

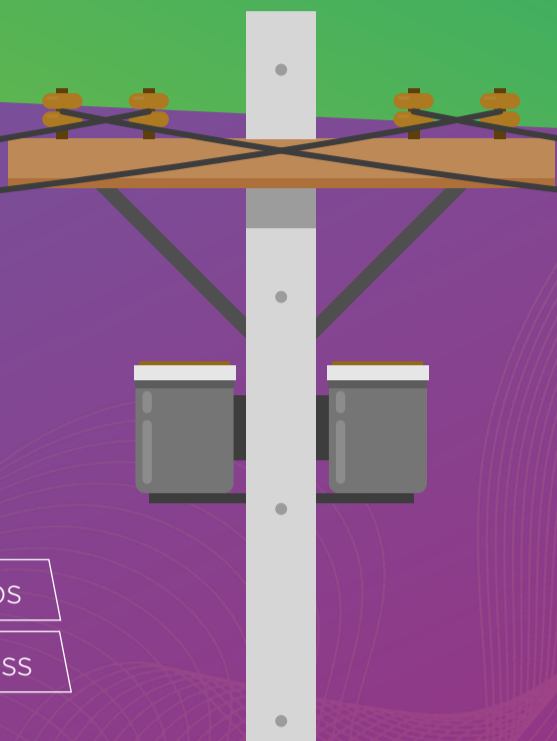
(Late 1990s)

First true broadband technology

Utilised existing telephone infrastructure

Download speeds up to 8 Mbps, upload up to 1 Mbps

Popular choice for home and business internet access



Cable Internet (Early 2000s)

Leveraged cable TV infrastructure for high-speed internet

Delivered speeds from 1Mbps to over 100 Mbps

Widely adopted for residential and commercial users

Internet becoming more commodity



Fiber Optic Internet (Late 2000s and beyond)

The pinnacle of internet technology

Utilizes fiber optic cables for data transmission

Speeds from hundreds of Mbps to several Gbps

Preferred choice for high-performance applications



Outperform your expectations with Optical LAN

Why you should ditch traditional networks and get Nokia Optical LAN

	Traditional LAN	Optical LAN
University	<p>Hurry up! You've been uploading for 10 minutes!</p> <p>5</p>	<p>Uploading in less than a minute! Time to play World of Warcraft.</p>
Mayor's office	<p>What are we doing in the dark Mr. Mayor?</p> <p>It's part of our new energy conservation policy.</p> <p>4</p>	<p>Great news! We've received an environment certificate!</p> <p>I don't have any space left to put them on the wall.</p>
Enterprise	<p>Not again! Third time that's happening this week!</p> <p>3</p>	<p>Must remember to schedule the fiber cable maintenance for 2065...</p>
Hospital	<p>Too much interference. I can't see your test results.</p> <p>2</p>	<p>You are in perfect health! Let's see what medicine we have for that...</p>
Army	<p>Our plans are all over the internet? But I have guards watching my computers 24/7!</p> <p>1</p>	<p>Sir, I'm happy to report we've never had a breach in security.</p>
Hotel	<p>Is there a gym at the hotel?</p> <p>No, sorry we don't have the space.</p> <p>Server Room Server Room</p>	<p>Is there a gym nearby?</p> <p>Yes, we've just created space for a new fitness centre.</p> <p>Gym Gym</p>

Bandwidth

Remove bottlenecks with a multi gigabit network that supports all your services

Power

40% power reduction saving energy, saving money, saving the planet

Cable Infrastructure

Simple, reliable and small volume cable infrastructure that will serve for 50+ years

Interference

Optical fiber is immune to electro-magnetic interference, radio-frequency or electro-magnetic pulse

Security

Built-in security features and infrastructure that is difficult to eavesdrop

Space

Less equipment, enclosures and IT rooms resulting in 90% IT floor space reduction

© 2025 Nokia

Westcon | NOKIA

LEARN MORE