

# Cisco NCS 520 Ethernet Access Device

## The Most Secure Network Interface Device

Cisco® NCS 520 Ethernet Access Device is a next-generation, secured Layer 2 and Layer 3 customer-located and network demarcation devices for Service Providers. This 10 Gigabit Ethernet demarcation point redefine the demarcation between the customer LAN and a Service Provider's mobile and cloud applications. It provides standards-based demarcation as defined by the Metro Ethernet Forum (MEF) for services such as Ethernet Point-to-Point Line (ELINE) and Ethernet Multipoint-to-Multipoint (ELAN) services, with advanced clocking and Quality of Service (QoS).

The Cisco NCS 520 is designed to be deployed as a “touchless” network Interface Device (NID). That means zero-touch provisioning to simplify deployment and enhance security.

The Cisco NCS 520 has been developed with a device security focus with a wide variety of unparalleled, robust hardware and software security features.

## Benefits

- **Enhanced security** on device for worry-free remote location placements
- **Network automation** with zero-touch provisioning and open programmable interface with Netconf/Yang and streaming telemetry
- **Application-engineered routing** to deliver the best experience and optimize network resources
- **Rugged form factor** with conformal coating to withstand harsher environments

## Reduce OpEx with easy deployment and scalability

The Cisco NCS 520 is designed for Ethernet demarcation and carrier Ethernet access. Its differentiating features include:

- Zero-touch deployment
- Pay-as-you-grow investment model
- Robust device security with features such as TrustAnchor module, secured device identifier, secure JTag, and runtime defenses
- Flexible clocking options: 1588v2 and synchronous Ethernet (SyncE)
- Extended operating temperatures with industrial temperature range support
- Dense, small form factor: 60 Gbps, 1 rack unit (RU) with 9-in. depth

## Custom call to action

Build a secure, scalable, and future-proof network with the Cisco NCS 520.

