Cisco Embedded Services 3300 Series

Overview

The Cisco® Embedded Service Switch (ESS) 3300 extends switching capabilities to mobile and embedded networks that operate in extreme environments. The flexible, compact form factor of the switch, powered by Cisco IOS® Software, provides highly secure data, voice, and video communications to stationary and mobile network nodes, making it ideal for Internet of Things applications. It solves critical size, weight, and power challenges inherent in mobile environments and gives partners and integrators the ability to fully customize the ruggedized enclosures required for their customers.

Who needs Cisco ESS?

The Cisco ESS is essential for many vertical industries that have requirements such as:

- High speed Gigabit Ethernet switching
- Custom form-factor, and physical media
- Reliable and easy to use management
- High port density in a small form factor
- Portability
- Low power consumption
- Ability to operate in harsh environments
How you can use ESS 3300?

Defense and aerospace
Deploy ESS 3300 switches to build advanced tactical networks that provide highly secure, reliable, high-speed connectivity. The switches can be ruggedized to meet the needs of forward-deployed communication for on-the-move networks in remote areas. Deliver highly secure broadband for voice, video, and data communication. Integrators can use the ESS 3300 in the communication systems of military vehicles, aircraft, helicopters, drones, and ships.

Oil and gas
Oil and gas companies need to monitor and analyze data from some of the most remote, harshest environments in the world. Use the ESS 3300 to build reliable networks that can monitor high-value assets and collect data from remote oil rigs for real-time data analysis. Drive efficiencies and increase safety while operating in remote and hazardous locations.

Transportation
Install the ESS 3300 Series where your applications require high-quality voice, video, and data connectivity: in trains, commercial airplanes, automobiles, trucks, and first-responder and emergency vehicles. Integrators can build switches with custom interfaces and the right level of mechanical ruggedization—ingress protection, temperature, shock vibration—based on application needs. Leverage the 3300’s PoE readiness to power a wide range of sensors, cameras, phones, and other devices onboard vehicles.

These are just a few of the use cases where ESS 3300 can be used.

Why Cisco?
Cisco brings decades of leadership in networking to industrial and mobile environments. The Cisco ESS uses the reliable and extensive Cisco IOS Software, enabling consistent end-to-end solutions from remote environments to headquarters and investment protection.

A rich ecosystem of products, including the Cisco 2020 ESS, Cisco 5915, 5921 and 5940 ESRs, facilitates the development of new systems that work transparently with existing network infrastructure. The embedded switch allows for flexible integration into system integrator solutions.

Visit our webpages to find out more about our embedded product portfolio:
https://www.cisco.com/go/ess3300
https://www.cisco.com/go/embedded