



Overview

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Introduction to Cisco 1000 Series Integrated Services Routers

The Cisco 1100 Series Integrated Services Routers (ISRs) are fixed branch routers based on the Cisco IOS XE Everest 16.6.2 operating system, multi-core Data Plane.

The two types of platforms supported on Cisco 1100 Series ISRs are 8-port and 4-port platforms.

The 8-port platforms are high-performance managed service provider and enterprise platforms having:

- 8-port integrated front panel switch ports
- Optional POE on LAN daughter card with support up to 4PoE/2PoE+ ports
- Optional WLAN support - 802.11ac WAVE 2
- 4G LTE-Advanced support with carrier aggregation

The 4-port platforms are midrange performance managed service provider platforms and enterprise platforms with the following specifications:

- 4-port integrated front panel switch ports
- VDSL2 and ADSL2/2+ support
- (Optional) PoE on LAN daughter card supporting 2PoE/1PoE+ ports
- (Optional) WLAN support - 802.11ac WAVE 2
- 4G LTE-Advanced support with carrier aggregation

Sections in this Document

The following table lists the sections in this document:

Section	Description
Overview	Provides a high-level description of the router and describes the main internal processes of the router.
Using the IOS XE Software	Describes the basics of using Cisco IOS XE software with the router.
Smart Licensing	Describes the Smart Licensing feature simplifies the Cisco software experience and helps you to understand how Cisco software is used across your network.
Console Port Telnet SSH Handling and Reset	Describes software features that are common across Cisco IOS XE platforms.
Installing the Software	Contains important information about filesystems, packages, licensing, and installing software.
Basic Router Configuration	Describes the basic tasks required to configure a router.
Configuring VDSL2 and ADSL2/2+ for Cisco 1100 ISR	Describes the software features and configuration information for VDSL2 and ADSL2/2+.
Wireless Device Configuration	Describes the important tasks to be performed to connect to wireless devices.
4G LTE-Advanced on Cisco 1100 ISR	Describes the software features and configuration information for Cisco 4G LTE-Advanced
Configuring Ethernet Switch Ports	Describes the configuration tasks for Ethernet switch ports on Cisci 1100 ISR.
Slot and Subslot Configuration	Describes the slot and subslot configuration.
Online Insertion and Removal	Describes how you can start, stop, and reload a module.
Process Health Monitoring	Provides information about managing and monitoring the health of various components of the router.
System Messages	Provides information about syslog messages.
Environmental Monitoring and PoE Managemnet	Describes the environmental monitoring features on a router.
Configuring SFP Auto-Failover	Describes the steps to configure Auto Detect, Primary and Secondary Media.
Configuring Cellular IPv6 Address	Describes the steps to configure cellular IPv6 address.
Dying Gasp Through SNMP, Syslog and Ethernet OAM	Describes Dying Gasp as one of the methods to communicate during failure, which indicates that an unrecoverable condition has occurred.

Section	Description
Troubleshooting	Describes troubleshooting topics such as ADSL, VDSL2 and so on.

