

# Cisco Firepower Threat Defense for ISR

Cisco® Firepower Threat Defense for ISR extends enterprise-level threat protection to individual ISR routers, protecting devices and hosts regardless of their location, whether it's a branch office or other remote site.

## Product Overview

The enterprise-level risks that branch offices face today require enterprise-level security. You must deal with a bring-your-own-device (BYOD) environment, compliance requirements, and the increasing use of direct Internet access (DIA). And you must still provide security against advanced persistent threats.

You can now do all that because Cisco has moved its industry-leading Firepower™ threat protection capabilities out to an additional platform - Cisco's Integrated Services Routers (ISR). **Cisco Firepower Threat Defense for ISR** takes enterprise-level threat protection beyond the network edge and data center deployments and extends it to individual routers.

Our new solution combines full-stack traffic analysis, exceptional visibility into what is running on your network, and intelligent security automation. It identifies and stops threats before they affect your extended enterprise operations. The consolidated footprint returns valuable square footage to revenue-generating assets.

At the same time, Firepower Management Center gives a clear divide on roles and responsibilities.

Firepower Threat Defense for ISR allows you to take advantage of the cost savings and improved user experience that branch DIA provides. And you can better protect your extended operations by using the entire network to deliver greater visibility and security.

## Features and Benefits

Feature	Benefit
<b>Firepower next-generation Intrusion Prevention System (NGIPS)</b>	Provides threat protection by integrating real-time contextual awareness, intelligent security automation, and industry-leading threat-prevention effectiveness
<b>Application visibility and control</b>	Reduces the potential surface area of attacks through granular control over thousands of applications
<b>Advanced Malware Protection (AMP) for Networks</b>	Protects against highly sophisticated, targeted, zero-day, and persistent advanced malware threats
<b>Reputation-based URL filtering</b>	Mitigates sophisticated client-side attacks by controlling access to more than 280 million URLs in over 80 categories
<b>Firepower Management Center</b>	Provides centralized event and policy management with a clear divide on roles and responsibilities

## Exceptional Visibility and Insight

Cisco Firepower Threat Defense for ISR is centrally managed by Firepower Management Center, which provides security teams with comprehensive visibility into and control over activity within the network. This total visibility encompasses users, devices, client-side applications, operating systems and versions, protocols, geolocation information, content, network behavior, network attacks, physical and virtual hosts, and malware observation.

The Firepower Management Center helps administrators reduce complexity with visibility and control across all ISR, NGIPS, and next-generation firewall (NGFW) deployments. It positions organizations to be prepared before and during an attack. It also provides file content awareness and malware file trajectory capabilities that enable infection scoping and root cause determination to speed time to remediation.

### Reduced Costs and Complexity

Firepower Threat Defense for ISR incorporates an integrated approach to threat defense, reducing capital and operating costs and administrative complexity. It smoothly integrates with Cisco Firepower NGIPS and Cisco ASA with Firepower Services deployments. You gain consistent and robust security across your branch, Internet edge, and data center operations, in both physical and virtual environments.

With the Firepower Management Center, administrators can streamline operations to correlate threats, assess their impact, automatically tune security policy, and easily attribute user identities to security events. The FightSIGHT Management Center continually monitors how your network is changing over time. New threats are automatically assessed to determine which ones can affect your business. You can cut through all of the noise and focus your efforts on responding to the events that will have the most impact. Critical security activities such as policy tuning are also automated, saving time and effort. At the same time they are adapting your network defenses to changing conditions. The resulting optimized security policies are specifically tailored to the network you have and the threats you face.

The Firepower Management Center comprises:

- Centralized device, license, event, and policy management
- Role-based management (segmented and isolated views and duties based on administrator role or group)
- Customizable dashboard with custom and template-based reports
- Comprehensive reporting and alerts for both general and focused information
- Event and contextual information displayed in hyperlinked tables, graphs, and charts
- Network behavior and performance monitoring
- Robust high-availability options to help ensure there's no single point of failure
- Correlation and remediation features for real-time threat response
- Open APIs for integration with third-party solutions and customer work streams, including APIs for firewalls, network infrastructure, log management, security information and event management (SIEM), trouble ticketing, and patch management

### Platform Support

Table 1 shows the ISR platforms and Cisco Unified Computing System™ (Cisco UCS®) E-Series modules that Firepower Threat Defense currently supports.

**Table 1.** Support for ISR Platforms and Cisco UCS E-Series Modules

Integrated Services Routers	Cisco UCS EN140N	Cisco UCS EN120E	Cisco UCS EN120S	Cisco UCS E140S	Cisco UCS E160D	Cisco UCS E180D
<b>ISR 4000 Series</b>						
4321	Yes	No	No	No	No	No
4331	Yes	No	Yes	Yes	No	No
4351	Yes	No	Yes	Yes	Yes	Yes

Integrated Services Routers	Cisco UCS EN140N	Cisco UCS EN120E	Cisco UCS EN120S	Cisco UCS E140S	Cisco UCS E160D	Cisco UCS E180D
4431	Yes	No	No	No	No	No
4451	Yes	No	Yes	Yes	Yes	Yes
<b>ISR G2 Series</b>						
1921	No	Yes	No	No	No	No
1941	No	Yes	No	No	No	No
2901	No	Yes	No	No	No	No
2911	No	Yes	Yes	Yes	No	No
2921	No	Yes	Yes	Yes	Yes	No
2951	No	Yes	Yes	Yes	Yes	No
3925	No	Yes	Yes	Yes	Yes	Yes
3925E	No	Yes	Yes	Yes	Yes	Yes
3945	No	Yes	Yes	Yes	Yes	Yes
3945E	No	Yes	Yes	Yes	Yes	Yes

## System Requirements

<b>Hypervisor</b>	VMware ESXi 5.0, 5.1, 5.5, 6.0
<b>CPU</b>	4 vCPU
<b>Memory</b>	4 GB
<b>Disk Space</b>	40 GB

## Ordering Information

### Software Subscription Licenses

Cisco Firepower Threat Defense for ISR offers a rich set of software features. These software features are bundled in logical groupings to provide value and convenience to customers, the field, and partners.

Purchase of a subscription entitles a customer to activate the features on an associated platform. For example, customers who buy Firepower Threat Defense on an ISR 29xx router with a 3-year service subscription for IPS and Apps are entitled to apply the subscription to a single Firepower Threat Defense virtual appliance hosted on an ISR 2900 router.

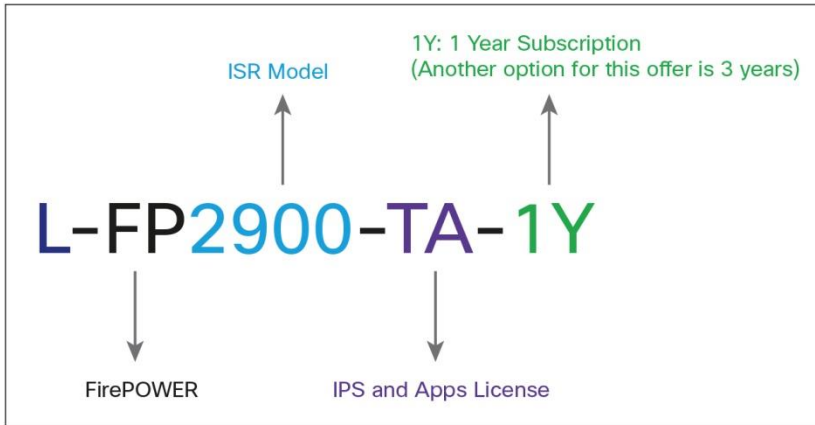
**Note:** All subscriptions provide the appropriate platform name in the description (for example, “Firepower TD for ISR 29xx IPS and Apps 1Y Svc Sub” is for use only with the Firepower Threat Defense running on a Cisco UCS E-Series blade hosted inside an ISR 2900 Series router).

### Term-Based Subscription Licenses

All software feature licenses are term-based subscriptions, available for 1 or 3 years. Each software feature or feature set has a corresponding part number for the term option. For example, a Base license set (intrusion prevention and detection plus application visibility and control, or “IPS and Apps”) is denoted by “TA.” If a customer wants that set for a 1-year term, the appropriate part number is L-FPxxxx-**TA-1Y** (see Figure 1). This product entitles the customer to the features listed in the description for the associated bundle for 1 year. The customer can choose to buy multiple-year terms such as a 3-year service subscription for Firepower Threat Defense for ISR xxxx with IPS and Apps. The multiyear subscriptions provide discounts over a single year.

Following the completion of the term, the licenses are deactivated unless they are renewed.

**Figure 1.** Part Number for a 1-Year IPS and Apps License for an ISR 2900 Series Router



If a customer wishes to bundle multiple features on top of the IPS and Apps Base license, the part numbers are similarly constructed (Table 2). For example, if a customer wants the IPS and Apps license plus AMP and URL filtering for the Cisco Firepower Threat Defense for an 2921 ISR for 3 years, the part number L-FP2900-TAMC-3Y, shown in Table 3, is selected.

**Table 2.** Subscription Decoder Key

<b>TA</b>	"IPS and Apps" Updates Subscription (1 or 3Y Options)
<b>TAC</b>	"IPS and Apps" Updates Plus URL Filtering Subscription (1 or 3Y Options)
<b>TAM</b>	"IPS and Apps" Updates Plus AMP Subscription (1 or 3Y Options)
<b>TAMC</b>	"IPS and Apps" Updates Plus URL Filtering and AMP Subscription (1 or 3Y Options)

**Table 3.** Available Subscription Licenses

Part Number	Description
<b>L-FP2900-TA-1Y</b>	Firepower TD for ISR 29xx IPS and Apps 1Y Svc Sub
<b>L-FP2900-TA-3Y</b>	Firepower TD for ISR 29xx IPS and Apps 3Y Svc Sub
<b>L-FP2900-TAC-1Y</b>	Firepower TD for ISR 29xx IPS, Apps and URL 1Y Svc Sub
<b>L-FP2900-TAC-3Y</b>	Firepower TD for ISR 29xx IPS, Apps and URL 3Y Svc Sub
<b>L-FP2900-TAM-1Y</b>	Firepower TD for ISR 29xx IPS, Apps and AMP 1Y Svc Sub
<b>L-FP2900-TAM-3Y</b>	Firepower TD for ISR 29xx IPS, Apps and AMP 3Y Svc Sub
<b>L-FP2900-TAMC-1Y</b>	Firepower TD for ISR 29xx IPS, Apps, AMP and URL 1Y Svc Sub
<b>L-FP2900-TAMC-3Y</b>	Firepower TD for ISR 29xx IPS, Apps, AMP and URL 3Y Svc Sub
<b>L-FP3900-TA-1Y</b>	Firepower TD for ISR 39xx IPS and Apps 1Y Svc Sub
<b>L-FP3900-TA-3Y</b>	Firepower TD for ISR 39xx IPS and Apps 3Y Svc Sub
<b>L-FP3900-TAC-1Y</b>	Firepower TD for ISR 39xx IPS, Apps and URL 1Y Svc Sub
<b>L-FP3900-TAC-3Y</b>	Firepower TD for ISR 39xx IPS, Apps and URL 3Y Svc Sub
<b>L-FP3900-TAM-1Y</b>	Firepower TD for ISR 39xx IPS, Apps and AMP 1Y Svc Sub
<b>L-FP3900-TAM-3Y</b>	Firepower TD for ISR 39xx IPS, Apps and AMP 3Y Svc Sub
<b>L-FP3900-TAMC-1Y</b>	Firepower TD for ISR 39xx IPS, Apps, AMP and URL 1Y Svc Sub
<b>L-FP3900-TAMC-3Y</b>	Firepower TD for ISR 39xx IPS, Apps, AMP and URL 3Y Svc Sub

Part Number	Description
L-FP3945E-TA-1Y	Firepower TD for ISR 3945E IPS and Apps 1Y Svc Sub
L-FP3945E-TA-3Y	Firepower TD for ISR 3945E IPS and Apps 3Y Svc Sub
L-FP3945E-TAC-1Y	Firepower TD for ISR 3945E IPS, Apps and URL 1Y Svc Sub
L-FP3945E-TAC-3Y	Firepower TD for ISR 3945E IPS, Apps and URL 3Y Svc Sub
L-FP3945E-TAM-1Y	Firepower TD for ISR 3945E IPS, Apps and AMP 1Y Svc Sub
L-FP3945E-TAM-3Y	Firepower TD for ISR 3945E IPS, Apps and AMP 3Y Svc Sub
L-FP3945E-TAMC-1Y	Firepower TD for ISR 3945E IPS, Apps, AMP and URL 1Y Svc Sub
L-FP3945E-TAMC-3Y	Firepower TD for ISR 3945E IPS, Apps, AMP and URL 3Y Svc Sub
L-FP4331-TA-1Y	Firepower TD for ISR 4331 IPS and Apps 1Y Svc Sub
L-FP4331-TA-3Y	Firepower TD for ISR 4331 IPS and Apps 3Y Svc Sub
L-FP4331-TAC-1Y	Firepower TD for ISR 4331 IPS, Apps and URL 1Y Svc Sub
L-FP4331-TAC-3Y	Firepower TD for ISR 4331 IPS, Apps and URL 3Y Svc Sub
L-FP4331-TAM-1Y	Firepower TD for ISR 4331 IPS, Apps and AMP 1Y Svc Sub
L-FP4331-TAM-3Y	Firepower TD for ISR 4331 IPS, Apps and AMP 3Y Svc Sub
L-FP4331-TAMC-1Y	Firepower TD for ISR 4331 IPS, Apps, AMP and URL 1Y Svc Sub
L-FP4331-TAMC-3Y	Firepower TD for ISR 4331 IPS, Apps, AMP and URL 3Y Svc Sub
L-FP4351-TA-1Y	Firepower TD for ISR 4351 IPS and Apps 1Y Svc Sub
L-FP4351-TA-3Y	Firepower TD for ISR 4351 IPS and Apps 3Y Svc Sub
L-FP4351-TAC-1Y	Firepower TD for ISR 4351 IPS, Apps and URL 1Y Svc Sub
L-FP4351-TAC-3Y	Firepower TD for ISR 4351 IPS, Apps and URL 3Y Svc Sub
L-FP4351-TAM-1Y	Firepower TD for ISR 4351 IPS, Apps and AMP 1Y Svc Sub
L-FP4351-TAM-3Y	Firepower TD for ISR 4351 IPS, Apps and AMP 3Y Svc Sub
L-FP4351-TAMC-1Y	Firepower TD for ISR 4351 IPS, Apps, AMP and URL 1Y Svc Sub
L-FP4351-TAMC-3Y	Firepower TD for ISR 4351 IPS, Apps, AMP and URL 3Y Svc Sub
L-FP4451-TA-1Y	Firepower TD for ISR 4451 IPS and Apps 1Y Svc Sub
L-FP4451-TA-3Y	Firepower TD for ISR 4451 IPS and Apps 3Y Svc Sub
L-FP4451-TAC-1Y	Firepower TD for ISR 4451 IPS, Apps and URL 1Y Svc Sub
L-FP4451-TAC-3Y	Firepower TD for ISR 4451 IPS, Apps and URL 3Y Svc Sub
L-FP4451-TAM-1Y	Firepower TD for ISR 4451 IPS, Apps and AMP 1Y Svc Sub
L-FP4451-TAM-3Y	Firepower TD for ISR 4451 IPS, Apps and AMP 3Y Svc Sub
L-FP4451-TAMC-1Y	Firepower TD for ISR 4451 IPS, Apps, AMP and URL 1Y Svc Sub
L-FP4451-TAMC-3Y	Firepower TD for ISR 4451 IPS, Apps, AMP and URL 3Y Svc Sub

To place an order, visit the [Cisco Ordering Homepage](#).

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## For More Information

For more information, please visit the following links:

- [Cisco Firepower Threat Defense for ISR At-a-Glance](#) (PDF - 236 KB)
- [Cisco Firepower Threat Defense for ISRs FAQ](#)
- [Cisco Firepower Threat Defense for Integrated Services Router \(ISR\) Ordering Guide](#)
- [Cisco Next-Generation Intrusion Prevention System \(NGIPS\)](#)
- [Cisco ASA with FirePOWER Services](#) (NGFW)
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