





# Cisco Integrated Services Routers Generation 2

Transforming the Next Generation Branch Office Experience—Any Service, Any Branch, Anywhere

- Superior business flexibility for on-demand service delivery with minimal system upgrades
- Increased branch-office uptime with enhanced availability features
- Greater energy efficiency with slot-based controls to decrease costs and support sustainability
- Simplified deployment with a single Cisco IOS Software image
- Investment protection with support for most of the prior generation of integrated services router interfaces

### Cisco Services for the Branch Office

Services from Cisco and our certified partners can help you transform the branch-office experience and accelerate business innovation and growth with Borderless Networks. We have the depth and breadth of expertise to create a clear, replicable, optimized branch-office footprint across technologies that will help you:

- Increase the accuracy, speed, and efficiency of deployment
- Improve operational efficiency, save money, and mitigate risk
- Continuously improve performance

### Why Cisco?

Built on 25 years of innovation and product leadership along with broad market acceptance, the new generation of access routers continues to optimize service integration to transform the branch-office experience with the speed, scale, and flexibility to deliver tomorrow's services transparently at a low cost of ownership. For more information, please visit: [www.cisco.com/go/isrg2](http://www.cisco.com/go/isrg2).

Table 2 compares the models of the Cisco ISR G2 portfolio.

**Table 2 Cisco ISR G2 Model Comparison**

	Cisco 3945E	Cisco 3925E	Cisco 3945	Cisco 3925	Cisco 2951	Cisco 2921	Cisco 2911	Cisco 2901	Cisco 1941 and 1941W
Form Factor	3 rack units (3RU)	3RU	3RU	3RU	2RU	2RU	2RU	1RU	2RU
Integrated WAN Ports	4 GE(2 SFP)	4 GE (2 SFP)	3 GE (2 SFP)	3 GE (2 SFP)	3 GE (1 SFP)	3 GE (1 SFP)	3 GE	2 GE	2 GE
Interface Slots (EHWIC)	3	3	4	4	4	4	4	4	2
Service Module Slots	4	2	4	2	2	1	1	0	0
ISM Slots	0	0	1	1	1	1	1	1	1
PVDM Slots	3	3	4	4	3	3	2	2	0
USB Ports (v2.0)	2	2	2	2	2	2	2	2	2
Default/Max Flash	256MB/4GB	256 MB/4GB	256 MB/4 GB	256 MB/4 GB	256 MB/4 GB	256 MB/4 GB	256 MB/4 GB		
Default/Max SDRAM	1 GB/4 GB**	1 GB/4 GB**	1 GB/4 GB**	1 GB/4 GB**	512 MB/2.5 GB	512 MB/2.5 GB	512 MB/2.5 GB		
Modular LAN Switchports (with optional POE)	98*	74 *	98*	74 *	50*	50*		16*	11*
<b>Advanced Security</b>	<b>Enabled via Security License for Universal IOS Image. IPS and Content Filtering needs additional subscription licenses</b>								
Stateful Firewall	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Onboard Hardware VPN Acceleration (DES, 3DES, AES)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Intrusion prevention	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Content filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Unified Communication</b>	<b>Enabled via Unified Communications License for Universal IOS Image. CCME/SRST support through separate feature licenses</b>								
Local conferencing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	–
Voice and Video DSP support	PVDM3 and PVDM2	PVDM3 and PVDM2	PVDM3 and PVDM2	PVDM3 and PVDM2	PVDM3 and PVDM2	PVDM3 and PVDM2	PVDM3 and PVDM2	PVDM3 and PVDM2	–
Survivable Remote Site Telephony (SRST)	Up to 1500	Up to 1350	Up to 1200	Up to 730	Up to 250	Up to 100	Up to 50	Up to 35	–
Cisco Unified Communications Manager Express	Up to 450	Up to 400	Up to 350**	Up to 250***	Up to 150	Up to 100	Up to 50	Up to 35	–
Cisco Unity™ Express (network module [NM], service module [SM], or ISM)	32 ports; 300 mailboxes	32 ports; 300 mailboxes	32 ports; 300 mailboxes	32 ports; 300 mailboxes	32 ports; 300 mailboxes	32 ports; 300 mailboxes	32 ports; 300 mailboxes	10 ports; 100 mailboxes	–
Session Initiation Protocol (SIP) sessions	2500	2000	1000	800	600	400	200	100	–
Digital voice support	Up to 660	Up to 420	Up to 720	Up to 480	Up to 400	Up to 240	Up to 150	Up to 100	–
Maximum voice support for analog and Basic Rate Interface (BRI)	Foreign exchange station (FXS): 108 Foreign exchange office (FXO): 60 BRI: 38	FXS: 60 FXO: 36 BRI: 22	FXS: 112 FXO: 64 BRI: 40	FXS: 64 FXO: 40 BRI: 24	FXS 40 FXO 28 BRI 16	FXS: 40 FXO: 28 BRI: 16	FXS: 40 FXO: 28 BRI: 16	FXS: 16 FXO: 16 BRI: 8	–

\*LAN Switching counts for the Cisco 2911 through Cisco 3945 and Cisco 3945E routers based on latest generation of switch service modules

\*\* Up to 2 GB available for use; upgrade to 4 GB available in future

\*\*\* Scales to documented phone support in 15.0.1 rebuild