



## Features

- Integrated Voice Mail
- Automatic Call Distribution (ACD)
- Wireless Support
- Networking
- Teleworking, Branch Office Support
- Emergency 911 Support
- Paging Options
- Phonebook Access
- Dual Color Indicators on IP Set
- Message Waiting Light Indicators
- Personal Call Park
- Twinning

## Sprint i9 IP Key System

To be competitive, small to medium-sized businesses need to continually improve customer service, increase employee productivity, and reduce the cost of doing business.

The Sprint i9 IP Key System provides the reliability and comprehensive features of a digital telephone switch, the ease of use and cost effectiveness of a key system, and the productivity-enhancing applications and networking efficiency of peer-to-peer IP. Purchase the system you need now and add functionality as your requirements change.

### Feature-richness, reliability

Get big-business performance without the big-business price tag. The Sprint i9 supports advanced call control capabilities needed by today's small to medium-sized business to compete. Hundreds of telephony features are available, including ACD functionality, E-911 support, in-building mobility and more.

### Future-ready

Benefit from the ease of use and cost effectiveness of a key system while protecting your future investment. Maximize your workplace collaboration while taking advantage of the latest innovations enabled by IP. The i9 enables you to expand your system size over time and implement new applications at the desktop simply not possible with TDM systems.

### Productivity and efficiency

Save on system costs, long-distance charges and moves, add and changes (MACs). With the i9 IP Key System, you can also add new IP applications as your business grows and budget permits—applications for teleworking functionality, wireless capabilities, and more.



One Sprint. Many Solutions.™

## Sprint i9 Key System Functionality

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	<b>Description</b>	<b>Benefits</b>
<b>Integrated Voice Mail</b>	Integrated features include: forward voice mail to email, auto attendant, recorded announcement devices, personal contacts, and a variety of other messaging solutions.	Seamlessly incorporates a variety of messaging solutions for easy access to all message types
<b>Automatic Call Distribution (ACD)</b>	ACD enables a number of help-desk applications, including priority answering, predictive overflow, silent monitoring, recorded announcements, and music on hold. Support for enhanced ACD functionality will be available through Sprint Contact Center Solutions.	Offers improved customer service
<b>Wireless Support</b>	The i9 IP Key System can provide support for a range of one to ninety-six IP users.	Enable in-building mobility for users on either wireless phones or laptops with access to features functionality of your converged IP network.
<b>Networking</b>	Take advantage of networking services and private network applications with support for advanced trunking, including: T1, ISDN, LS CLASS, E&M, enhanced Q.SIG and point to multi-point IP networking over a WAN for seamless networking throughout your organization.	The i9 provides an easy and cost effective networking solution to fit your networking needs.
<b>Teleworking, Branch Office Support</b>	Software modules give teleworkers, remote contact center agents and branch office personnel, access to voice and data networks equal to the head office colleagues.	Reduce overhead as well as absenteeism by giving staff the choice of working at home with the Sprint Teleworker Solution.
<b>Emergency 911 Support</b>	The i9 IP Key System provides Emergency 911 information to EMS services as well as on-site Emergency 911 alarm notification to your system's main console, display sets, CLASS telephones. E-911 email notification can be sent to a distribution list providing emergency staff with instant notification.	Optimize your i9 system with E-911 call handling.
<b>Paging Options</b>	The i9 tightly integrates with a number of paging units—sold separately.	Page individuals, groups or entire organizations through overhead/ phone speakers.
<b>Phonebook Access</b>	Quickly locate and call users by accessing the systems internal phonebook.	Improves productivity
<b>Dual Color Indicators on IP Set</b>	See at a glance what lines are in use and on hold for you.	Improves customer service
<b>Message Waiting Light Indicators</b>	Know at a glance when you have voice mail. Or forward your voice mail to your e-mail account.	Enhances response time
<b>Personal Call Park</b>	Park a call directly on another person's set and page that set to notify the individual of the call by simply pressing a key.	Simple to use
<b>Twinning</b>	Route incoming calls to a desk phone, teleworker phone and wireless phone simultaneously (concurrent ringing), allowing users to answer their calls wherever they are.	Unanswered calls can be routed to a location specified by the user, such as voice mail or another answering position such as a receptionist.

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# Sprint i9 IP Key System

The Sprint i9 IP Key System provides the reliability and comprehensive features of a traditional phone system, the ease of use and cost effectiveness of a key system, and the productivity-enhancing applications and networking efficiency of peer-to-peer IP. Purchase the system you need right now with the option to add functionality as your business requirements change.



## Physical Dimensions

<b>i9 Controller</b>	Height	Width	Depth	Weight
	2.625 in (6.66 cm) (1.5 U)	17.75 in (45.1 cm) (19" rack-mountable)	18.75 in (46.5 cm)	15.8 lb (7.17 kg)
<b>Network Services Unit</b>	Height	Width	Depth	Weight
	1.75 in (4.454 cm)	17.75 in (45.1 cm) (19" rack-mountable)	15.5 in (39.4 cm)	9.41 lb (4.27 kg)
<b>Electrical Requirements</b>	Power Supply	Operation Controller	Peripheral bay	NSU
	Input/Disconnect IEC 320 AC connector	100-240Vac, 2.5A max, 50/60 Hz	100-240Vac, 2.5A max, 50/60 Hz	100-240V, 1.0A max, 50/60 Hz
<b>Maximum Input Power</b>	Controller	Peripheral bay	NSU	
	100 W	140W	25W	
<b>AC Source</b>	Controller	Peripheral bay	NSU	
	90-264 Vac; 47-63Hz	90-130Vac	0 – 264 Vac; 47-63Hz	
<b>Operational Environment</b>	Controller	Peripheral bay	NSU	
	500 BTUs per hour	750 BTU's per hour	200 BTUs per hour	
	Air Flow	Acoustic Emissions	Conversion Factors	Condition Specification
	46 cubic feet per minute at maximum output of the fans	Maximum 50 dBA continuous, 75 dB intermittent (<10% duty cycle)	1 watt is equal to 3.412 BTUs per hour 1 ton of refrigeration is equal to 12,000 BTUs per hour or 3.516 kilowatts 3/4 kilowatt hour is equal to 1 ton of refrigeration	Temperature 41° to 122°F (5° to 50 °C) Humidity 40-90% relative humidity, non condensing Maximum Heat Dissipation – fully loaded

### Environmental Requirements

The i9 system should be located in an area that is dry, clean, well ventilated, well lit, and readily accessible.

**Physical Dimensions cont.**

**Front Panel**

Remote alarm port (DB-9 connector)  
 Two RS-232 ports (DB-9 connectors) (printer and maintenance)  
 Dual fiber interface module (FIM) ports to support network services units (NSUs) or digital bay. *(Note: FIM ports are purchasable options.)*  
 One 10/100 Ethernet connections via RJ-45 (8-pin CAT5 cross-over cable)  
 Two CIM (copper interface module) ports to connect peripheral units  
 Alarm LEDs  
 Compact Flash operating system  
 Reset button

**Rear Panel**

Power connector  
 Protective ground to ground the chassis  
 Music-on-hold connector  
 Paging connector  
 25 pair Amphenol connector

**Base Controller**

Six Loop Start/Class circuits, upgradeable to 12  
 Two Single line/Class circuits, upgradeable to 4  
*(Note: Message Waiting Lamp is not supported on these circuits.)*  
 Two digital circuits  
 One dedicated Music-on-hold port with support for additional music sources  
 One dedicated paging port with support for additional paging devices  
 Two power-fail transfer circuits with support for additional circuits in peripheral cabinets  
 One dedicated circuit for door opener relays  
 Four ports of voice mail, upgradeable to 24  
 Dual DSP (digital signal processor)  
 DHCP server  
 64 Ethernet to TDM (E2T) channels  
 20 IP phone licenses, upgradeable to 96  
 20 mailbox licenses, upgradeable to 750

**Option Modules**

Analog service module (provides two additional single line and six loop start circuits)  
 Dual or quad DSP modules (expands voice mail, conferences and compression)  
 Dual FIM module provides support for PRI  
 Network Services Unit (NSU) provides dual link PRI connections (max 4 links)

**Phones Supported**

Basic IP Phone  
 Display IP Phone  
 Advanced Display IP Phone  
 Display IP Phone with Softkeys

**Other Peripheral Supported**

Conference Phone  
 Programmable Key Module -12 button  
 Programmable Key Module -48 button

**Applications Supported**

SMTP (email) client  
 Notification of E-911 calls, three different addresses at once  
 Integrated voice mail option, forward voice mail to e-mail  
 Notification of alarms, three different addresses at once  
 On-demand maintenance logs  
 IP networking (24 IP channels and up to 100 systems per network)  
 802.11b wireless application  
 Automatic call distribution (ACD)  
 Auto/multilevel auto attendant  
 Tenanting  
 MyAdministrator  
 Managed Application Server (MAS)  
 Teleworker Solution  
 Managed VPN

**Sprint Products Group**  
 600 New Century Parkway  
 New Century, Kansas 66031-8000  
 913 791 7700  
 Fax 913 791 7022  
[www.sprint.com/equipment](http://www.sprint.com/equipment)