

Cisco 870 Series Integrated Services Routers Migration Quick Look

Integrated Services Routers for Small Offices, Teleworkers, Small Businesses

This new family of integrated services routers supports delivery of secure data services over broadband connections including DSL, cable, and Metro Ethernet. Optional 802.11 WLANs, a four-port 10/100 Switch, and Power over Ethernet (PoE) external adapter make the Cisco® 870 Series Integrated Services Routers ideal for small offices, teleworkers, and small businesses.

TOP 10 REASONS TO MIGRATE TO CISCO 870 SERIES ROUTERS

1. Increased performance for running concurrent services with broadband connections
2. Advanced security features, including Stateful Firewall, 3DES and AES IPsec encryption, antivirus through NAC, IPS
3. Four-port 10/100 MB managed LAN switch with DMZ ports

INCREASED PERFORMANCE AND EXPANDED FEATURES

Migration from Cisco 830 and Cisco 820 Series to Cisco 870 Series		
Feature	Cisco 831, 836, 837, 828	Cisco 871, 876, 877, 878
Increased performance	N/A	Yes
LAN ports	4-port 10/100 switch	4-port 10/100 managed switch
WAN technologies	Models supporting: 10 Mbps Ethernet, ADSL over POTS, ADSL over ISDN, G.SHDSL	Models supporting: 10/100 Mbps Ethernet, ADSL over POTS (ADSL 2+), ADSL over ISDN, G.SHDSL (4-wire)
Backup WAN	External analog modem, ISDN S/T on 836	External analog modem, ISDN S/T on 876
Wireless option	No	Yes
Ethernet WAN	100 Mbps (Cisco 831)	10/100 Mbps (Cisco 871)
USB ports	No	Cisco 871 only
PoE option	No	Yes
Flash default/max	12 MB/24 MB	24 MB/52 MB
DRAM default/max	64 MB/80 MB	128 MB/256 MB

(continued)

4. 802.11b/g WLAN option with external, replaceable antennas
5. External PoE adapter option for connecting IP phones or access points
6. Increased default and max memory architecture
7. 10/100 Mbps Ethernet WAN port on Cisco 871
8. Dual USB 2.0 ports (Cisco 871) for security tokens
9. ADSL 2+ and G.SHDSL four-wire support (on ADSL and G.SHDSL models)
10. Integrated ISDN BRI for dial backup on Cisco 876 and for out-of-band management on Cisco 876 and 878

MIGRATION PATHS FROM TRADITIONAL PLATFORMS

Models that bundle security features are designated with a “K9” in the model SKU

Feature	Cisco 831	Cisco 871	Cisco 836	Cisco 876*	Cisco 837	Cisco 877	Cisco 828	Cisco 878
Models	Cisco 831 Secure Broadband Router	Cisco 871 Integrated Services Router	Cisco 836 Secure Broadband Router	Cisco 876 Integrated Services Router	Cisco 837 Secure Broadband Router	Cisco 877 Integrated Services Router	Cisco 828 Secure Broadband Router	Cisco 878 Integrated Services Router
SKUs	CISCO831-K9	CISCO871-K9 Wireless models CISCO871W-G-A-K9 CISCO871W-G-E-K9 CISCO871W-G-J-K9	CISCO836-K9	CISCO876-K9 Wireless models CISCO876W-G-E-K9	CISCO837-K9	CISCO877-K9 Wireless models CISCO877W-G-A-K9 CISCO877W-G-E-K9 CISCO877W-G-J-K9	CISCO828	CISCO878-K9 Wireless models CISCO878W-G-A-K9 CISCO878W-G-E-K9 CISCO878W-G-J-K9
WAN technology	10 Mbps Ethernet	10/100 Mbps Ethernet	ADSL over ISDN	ADSL over ISDN (ADSL 2+)	ADSL over POTS	ADSL over POTS (ADSL 2+)	G.SHDSL	G.SHDSL (4-wire)
LAN ports	4-port 10/100 switch	4-port 10/100 managed switch	4-port 10/100 switch	4-port 10/100 managed switch	4-port 10/100 switch	4-port 10/100 managed switch	4-port 10 Mbps hub	4-port 10/100 managed switch
Dial backup	External analog modem	External analog modem	ISDN S/T	ISDN S/T	External analog modem	External analog modem	External analog modem	External analog modem
Wireless option	No	Yes	No	Yes	No	Yes	No	Yes
USB ports	No	Yes	No	No	No	No	No	No
PoE adapter option	No	Yes	No	Yes	No	Yes	No	Yes
Flash default/max	12 MB/24 MB	24 MB/52 MB	12 MB/24 MB	24 MB/52 MB	12 MB/24 MB	24 MB/52 MB	8 MB/16 MB	24 MB/52 MB
DRAM default/max	64 MB/80 MB	128 MB/256 MB	64 MB/80 MB	128 MB/256 MB	64 MB/80 MB	128 MB/256 MB	32 MB/32 MB	128 MB/256 MB

* Customers may want to consider Cisco 876 and 878 as replacements for SOHO 96 and SOHO 98.

