

Portable Product Sheet - C5K Supervisors

Last Updated: October 15, 2002

Catalyst 5000 - Switching Fabric Only Supervisors

Feature	Supervisor I	Supervisor II	Supervisor IIG
EOS/EOL Status	May 23, 1999	September 28, 2001	May 15, 2002
Chassis Support	5000, 5002	All	All
Redundant Supervisors	No	Yes	Yes
Processor	25MHz Motorola MC68EC040	25MHz Motorola MC68EC040	37.5MHz Motorola MCF5102
Modular NFFC-II	No	No	Integrated
Modular RSFC	No	No	Yes
Fixed Uplinks	(2)100BaseTX (2)100BaseFX	(2)100BaseTX (2)100BaseFX	None
Modular Uplinks	No	No	(4)100BaseTX (4)100BaseFX (2)1000BaseSX (2)1000BaseLX
Backplane Connection	1.2 Gbps		
PCMCIA Flash	No		
Default Flash	4 MB	8 MB	8 MB
Default DRAM	20 MB	32 MB	32 MB
NVRAM	256 KB	256 KB	512 KB
Console Port	DB-25	DB-25	RJ-45
Auxiliary Port	No	No	RJ-45
FE Management Interface	Yes		
Max # of MAC Addresses	16,000		
Max VLANs	1024		
Dimensions (H/W/D)	1.2 x 14.4 x 16 in. (3 x 35.6 x 40.6 cm)		
Operating Temperature Range	32 to 104° F (0 to 40° C)		
Storage Temperature Range	-40 to 167° F (-40 to 75° C)		
Relative Humidity	10% to 90%, noncondensing		

Portable Product Sheet - C5K Supervisors

Catalyst 5000 - Crossbar Fabric Enabling Supervisors

Feature	Supervisor III	Supervisor III F	Supervisor III G
EOS Status	July 30, 2003	April 15, 2000	July 30, 2003
Chassis Support	All but 5002 with 155W Power	All	All
Redundant Supervisors	Yes		
Processor	150MHz R4700 RISC	IDT RISC (Similar to SupII)	37.5MHz Motorola MCF5102
Modular NFFC-II	Yes (A and II-A)*	Yes	Integrated
Modular RSFC	No	No	Yes
Fixed Uplinks	None	(2)1000BaseSX (2)1000BaseLX	(2)GBIC
Modular Uplinks	(2/4)100BaseTX (2/4)100BaseFX (2)1000BaseSX (2)1000BaseLX	No	No
Backplane Connection	3.6 Gbps		
PCMCIA Flash	Yes	No	No
Default Flash	8 MB		
Default DRAM	64 MB	32 MB	32 MB
NVRAM	512 KB		
Console Port	RJ-45		
Auxiliary Port	RJ-45		
FE Management Interface	Yes		
Max # of MAC Addresses	16,000		
Max VLANs	1024		
Dimensions	1.2 x 14.4 x 16 in. (3 x 35.6 x 40.6 cm)		
Operating Temperature Range	32 to 104 Deg. F (0 to 40 Deg. C)		
Storage Temperature Range	-40 to 167 Deg. F (-40 to 75 Deg. C)		
Relative Humidity	10% to 90%, noncondensing		

* Note: Older versions of the Supervisor III came with NFFC's or NFFC-II's, instead of the newer NFFC-A and NFFC-IIA's. Some even older ones even came without a NFFC at all, and these models were quickly EOS'd.

Gigabit Etherchannel is not supported on any Supervisor, and never will. GEC is only supported on the 9-port GE line card (WS-X5410).

Portable Product Sheet - C5K Supervisors

Part Numbers and Minimum Supervisor Software Required

Part Number	Description	Software Req'd
WS-X5005	Supervisor I (100BaseFX, Singlemode)	1.1
WS-X5006	Supervisor I (100BaseFX, Multimode)	1.1
WS-X5009	Supervisor I (100BaseTX)	1.1
WS-X5505	Supervisor II (100BaseFX, Singlemode)	2.2(1)
WS-X5506	Supervisor II (100BaseFX, Multimode)	2.2(1)
WS-X5509	Supervisor II (100BaseTX)	2.2(1)
WS-X5530-E1	Supervisor III	3.1(1)
WS-X5530-E2	Supervisor III with NFFC	4.1(1)
WS-X5530-E2A	Supervisor III with NFFC-A	4.5(4)
WS-X5530-E3	Supervisor III with NFFC II	4.3(1)
WS-X5530-E3A	Supervisor III with NFFC II-A	4.5(4)
WS-X5534-E1-GESX	Supervisor III F (1000BaseSX)	4.3(1a)
WS-X5534-E1-GELX	Supervisor III F (1000BaseLX)	4.3(1a)
WS-X5540	Supervisor II G	5.1(1a)
WS-X5550	Supervisor III G	5.1(1a)

Supervisor Redundancy

Supervisor Redundancy requires a 5500 series chassis (5505, 5509, 5500) and one of the following combinations:

- Two Supervisor Engine IIs
- Two Supervisor Engine IIIs with EARL 1
- Two Supervisor Engine IIIs with the NFFC/NFFC-A
- Two Supervisor Engine IIIs with the NFFC II/II-A
- Two Supervisor Engine III Fs with EARL 1
- Two Supervisor Engine III Fs with NFFC/NFFC-A
- Two Supervisor Engine III Fs with NFFC II/II-A
- Two Supervisor Engine II Gs without the RSFC
- Two Supervisor Engine II Gs with RSFC
- Two Supervisor Engine III Gs without the RSFC
- Two Supervisor Engine III Gs with RSFC
- One Supervisor Engine II G with the RSFC and one Supervisor Engine II G without the RSFC
- One Supervisor Engine III G with the RSFC and one Supervisor Engine III G without the RSFC

The following redundant configurations are supported, but with the caveat that MLS is not supported for traffic on the redundant supervisor engine ports when the supervisor engine in standby mode has the NFFC or NFFCII. MLS is supported for traffic on the redundant supervisor engine ports when the supervisor engine in standby mode has the NFFC-A or NFFCII-A.

- Supervisor Engine III with NFFC and Supervisor Engine III with NFFC-A
- Supervisor Engine III with NFFC II and Supervisor Engine III with NFFC II-A
- Supervisor Engine III F with NFFC and Supervisor Engine III F with NFFC-A
- Supervisor Engine III F with NFFC II and Supervisor Engine III F with NFFC II-A