

Nokia Technical Specifications

	IP110	IP330	IP440	IP530	IP650	IP740
Processor	National GX1 300 MHz	AMD K6-2 400 MHz	Pentium III 600 MHz	Pentium III 700MHz	Pentium III 700MHz	Pentium III 866 MHz
Default Memory config	64 MB RAM	256 MB RAM	256 MB RAM	256 MB RAM	256 MB RAM	512 MB RAM
Optional Memory config	X	X	768 MB RAM	1 GB RAM	768 MB RAM	1 GB RAM
Hard Disk	5 GB	20 GB	20 GB	20 GB	10 GB	20 GB
Operating System	IPSO	IPSO	IPSO	IPSO 3.3 and up	IPSO	IPSO 3.4 and up
Default Number of Ethernet Ports	3	3	4	4	4	4
Maximum Number of Ethernet Ports	3	5	16	16	20	20
Console	1	1	1	1	1	1
Aux Port	1	1	1	1	X	1
Modem	X	Base Bundle Option	X	PCMCIA modem	X	X
Number of slots	X	1 cPCI, 1 internal PMC	3 PCI	3 cPCI, 2 Type II PCMCIA, 1 internal PMC	4 cPCI	4 cPCI, 1 internal PMC socket
Optional Interfaces						
Single Ethernet 10/100	X	X	Yes (PCI)	X	X	X
Dual Ethernet 10/100	X	Yes (cPCI)	X	X	X	X
Quad Ethernet 10/100	X	X	Yes (PCI)	Yes (cPCI)	Yes (cPCI)	Yes (cPCI)
Optical Gigabit Ethernet	X	X	X	Yes (cPCI)	Yes (cPCI)	Yes (cPCI)
Single V.35 serial	X	Yes (cPCI)	Yes (PCI)	X	Yes (cPCI)	X
Single X.21serial	X	Yes (cPCI)	Yes (PCI)	X	Yes (cPCI)	X
Dual V.35 serial	X	X	Yes (PCI)	Yes (cPCI)	Yes (cPCI)	Yes (cPCI) avail Sept 2001
Dual X.21 Serial	X	X	Yes (PCI)	Yes (cPCI)	Yes (cPCI)	Yes (cPCI) avail Sept 2001
Single Port T1 CSU/DSU	X	Yes (cPCI)	Yes (PCI)	Yes (cPCI)	Yes (cPCI)	Yes (cPCI)
Single Port E1 CSU/DSU	X	Yes (cPCI)	X	Yes (cPCI)	Yes (cPCI)	Yes (cPCI)
1 Port S/T, ISDN, BRI	X	Yes (cPCI)	X	Yes (cPCI)	Yes (cPCI)	Yes (cPCI)
1 Port HSSI 45 Mbps	X	X	Yes (PCI)	X	Yes (cPCI)	X
MMF ATM 155 Mbps OC-3	X	X	Yes (PCI)	Yes (cPCI)	Yes (cPCI)	Yes (cPCI) avail Sept 2001
FDDI (DAS)	X	X	Yes (PCI)	X	X	X

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Optional Interfaces (Cont'd)						
Redundant Power Supply	X	X	X	X	Yes	Yes
Hot Swappable Interface cards	X	X	X	X	Yes	Yes
Performance						
Maximum FW-1 Throughput	102 Mbps	139 Mbps	176 Mbps	507 Mbps	244 Mbps (348 Mbps w/GigE)	X
VPN-1 Throughput (SHA1-3DES)	2 Mbps	7 Mbps	16 Mbps	18 Mbps	18 Mbps	X
VPN-1 w/luna Throughput (SHA1-3DES)	X	20 Mbps	43 Mbps	47 Mbps	28 Mbps	X
Power requirements						
AC Input Voltage	100-120 V/200-240 VAC	100-120 V/200-240 VAC	100-120 V/200-240 VAC	100-120 V/200-240 VAC	100-120 V/200-240 VAC	100-120 V/200-240 VAC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
AC Input Current	0.9A	1.8/1.0 A	3.0/1.5 A	3.0/1.5 A	3.0/1.5 A	3.0/1.5 A
Operating Temp	5° C-40° C	5° C-40° C	5° C-40° C	minus 5° C-45° C	5° C-40° C	5° C-40° C
Physical						
Rackable	No (wall mountable)	1 RU 19"	4 RU 19"	2 RU 19"	2 RU 19"	3 RU 19"
Height (in/cm)	2.10 in/5.33 cm	1.75 in/4.5 cm	7.0 in/18.0 cm	3.5 in/9.0 cm	3.5 in/ 9.0 cm	5.1 in/13 cm
Depth (in/cm)	8.34 in/21.18 cm	16.0 in/41.0 cm	18.0 in/46.0 cm	16.0 in/41.0 cm	18.0 in/46.0 cm	21.0 in/53.0 cm
Width (in/cm)	9.35 in/23.75 cm	17.0 in/43.0 cm	17.0 in/43.0 cm	17.0 in/44.0 cm	17.0 in/43.0 cm	17.0 in/44.0 cm
Weight	11.3oz (318g)	12lbs (5.4kg)	42lbs (19kg)	33lbs (15kg)	35lbs (16kg)	36lbs (16kg)