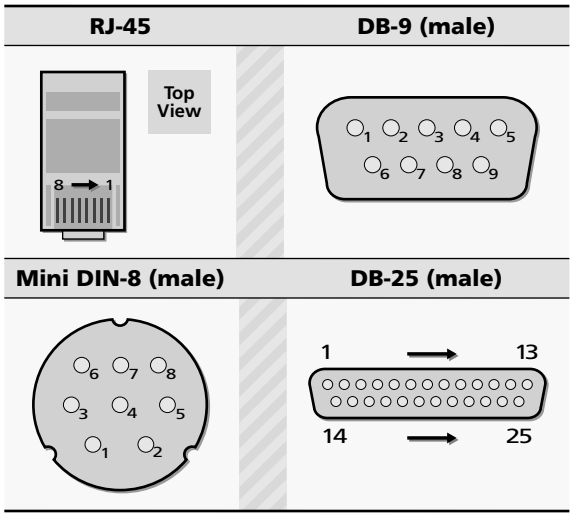
SUGGESTED HARDWARE VENDORS

This is a table of network hardware vendors that we still trust, recommend, and use ourselves today. We have no association or connection with any of these vendors.

Vendor	State	Telephone
Cables and connectors		
AMP	PA	(800) 522-6752
Anixter	IL	(708) 677-2600
Belden Cable	IN	(319) 983-5200
Black Box Corporation	PA	(412) 746-5500
Krone	CO	(800) 992-9901
Lan-Tech	CO	(303 695-9473
Newark Electronics	IL	(312) 784-5100
The Siemon Company	CT	(203) 274-2523
Test equipment		
Fluke	WA	(800) 323-5700
The Siemon Company	CT	(203) 274-2523
Wavetek	CA	(800) 854-2708
Repeaters and hubs		
Allied Telesis	CA	(415) 964-2771
Cabletron	NH	(603) 332-9400
Routers		
Cisco Systems	CA	(415) 326-1941

PINOUTS FOR SERIAL CONNECTORS



DB-25 TO DB-25 RS-232 CONNECTIONS

Legend		Straight	Nulled
Frame ground	FG	1 — 1	1 — 1
Transmitted data	TD	2 — 2	2 — 2
Received data	RD	3 — 3	3 — 3
Request to send	RTS	4 — 4	4 — 4
Clear to send	CTS	5 — 5	5 — 5
Data set ready	DSR	6 — 6	6 — 6
Signal ground	SG	7 — 7	7 — 7
Data carrier detect	DCD	8 — 8	8 — 8
Data terminal ready	DTR	20 — 20	20 — 20

MINI DIN-8/DB-9 STRAIGHT CABLES

DIN-8	DB-9	DB-25	Signal and function	
3	2	2	TD	Transmitted data
5	3	3	RD	Received data
6	8	4	RTS	Request to send
2	7	5	CTS	Clear to send
–	6	6	DSR	Data set ready
4,8	5	7	SG	Signal ground
7	4	8	DCD	Data carrier detect
1	1	20	DTR	Data terminal ready

FOUR-PAIR UTP WIRING FOR RJ-45

Pair	Colors	Wired to	Diagram
1	White/Blue	Pins 4/5	TOP 8 1
2	White/Orange	Pins 3/6	
3	White/Green	Pins 1/2	
4	White/Brown	Pins 7/8	

a. This scheme reflects the TIA/EIA-568A standard.

DISK BLOCK SIZES

System	du	df	quot
Solaris 2.4	512[a]	512[a]	1024
HP-UX 9.0	1024	1024	2048[b]
IRIX 5.2	512[a]	512[a]	1024
SunOS 4.1.3	1024	1024	1024
DEC's OSF/1 2.0	512[a]	512[a]	1024
BSD/OS 2.0	512[c]	1024	–

a. You can get 1K blocks with the **-k** option.
b. True only with **quot -h**.
c. Uses environment variable BLOCKSIZE, if defined.

CONTROLLING RUNNING PROCESSES

Proc	Operation	Command
cron	Reread **crontab** (BSD)	**kill -HUP** *pid*
gated	Reread config file	**kill -HUP** *pid*
	Dump current state	**kill -INT** *pid*
	Graceful shutdown	**kill -TERM** *pid*
	Toggle tracing	**kill -USR1** *pid*
	Check net interfaces	**kill -USR2** *pid*
inetd	Reread config file	**kill -HUP** *pid*
init	Go to single-user mode	**kill -TERM 1**
(BSD)	Reread terminal config	**kill -HUP 1**
init	Go to single-user mode	**telinit S**
(Sys V)	Change run level	**telinit** *level*
	Reread **inittab** file	**telinit -q**
named	Reread config files	**kill -HUP** *pid*
	Dump DB and cache	**kill -INT** *pid*
	Dump stats	**kill -IOT** *pid*
	Dump stats (some OSs)	**kill -ABRT** *pid*
	Dump database files	**kill -TERM** *pid*
	Increment debug level	**kill -USR1** *pid*
	Turn off debugging	**kill -USR2** *pid*
	Toggle query logging	**kill -WINCH** *pid*

USEFUL INTERNET SITES

Category	URL
Software	ftp://ftp.uu.net/
	ftp://wuarchive.wustl.edu/
	ftp://gatekeeper.dec.com/
Sysadmin	http://www.usenix.org/
	http://www.ora.com/
Banking	http://www.wellsfargo.com/
	http://www.mastercard.com/
	http://www.bofa.com/
Consumer goods	http://www.internet.net/
	http://internet-plaza.net/
	http://www.hot.presence.com/
	http://www.cdnow.com/
Travel	http://www.goalamo.com/
	http://www.vegas.com/
	http://www.travelweb.com/
Shipping	http://www.ups.com/
	http://www.fedex.com/
Government	http://www.odci.gov/
	http://www.uspto.gov/
Weather	http://cirrus.sprl.umich.edu/wxnet/