

I: 1st Cluster of 1 to 8 Nodes: (1-8)

Cluster Location:	
SNA?	PC?
-----	
1.) Y	XT
2.) N	AT
3.) Y	PC1
4.) N	PC2
5.) Y	XT
6.) N	etc
7.) N	etc
8.) N	etc
-----	
Qty.	
-----	
—	-
—	-
	1 -
—	-
	0 -
—	-
—	-
—	-
—	-
	0 -
	0 -
	0 -
-----	
=====	

II: 2nd Cluster of 1 to 8 Nodes: (9-16)

Cluster Location:	
SNA?	PC?
-----	
1.) Y	XT
2.) N	AT
3.) Y	PC1
4.) N	PC2
5.) Y	XT
6.) N	etc
7.) N	etc
8.) N	etc
-----	
Qty.	
-----	
—	-
—	-
	1 -
—	-
—	-
—	-
	0 -
—	-
—	-
—	-
—	-
	0 -
	0 -
	0 -
-----	

=====

III: 3rd Cluster of 1 to 8 Nodes: (17-24)

Cluster Location:	
SNA?	PC?
-----	
1.) Y	XT
2.) N	AT
3.) Y	PC1
4.) N	PC2
5.) Y	XT
6.) N	etc
7.) N	etc
8.) N	etc
-----	
Qty.	
-----	
—	-
—	-
—	-
—	-
—	-
—	0 -
—	-
—	-
—	-
—	-
—	-
0 -	

0 -  
0 -

IV: 4th Cluster of 1 to 8 Nodes: (25-32)

Cluster Location:	
SNA?	PC?
1.) Y	XT
2.) N	AT
3.) Y	PC1
4.) N	PC2
5.) Y	XT
6.) N	etc
7.) N	etc
8.) N	etc
Qty.	
—	-
—	-
—	-
—	-
—	-
—	0 -
—	-
—	-
—	-
—	-

0 -  
0 -  
0 -

-----  
=====

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Release 1.0 - No Macros

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Release 1.0 is only available on public bulletin boards. Release 2.0 and later releases will contain improvements, including macros, as well

## Sheet1

as corrections of any unknown bugs. Also future releases will contain new products, both IBM and 3rd party, as well as price & part revisions.

Release 2.0 will be available by mail only from:

Cost to obtain copy by mail of Release 2.0 : \$10.00

When will Release 2.0 be available? : After March 15, 1985

Don't send in order before then unless you don't mind the wait and will tolerate a slip on the release date. I won't cash your check until sent. Please send comments, bug reports, etc to the above address. Please feel free to send 'wish list' ideas for spreadsheets. If I decide to develop WKS templates from such an idea, I will trade rights to ideas for free copies of any WKS template in my library.

Note: The best strategy for populating clusters is to leave a few vacant nodes per cluster, providing room to grow. For example, if 8 nodes will be in the first phase of the network, put 4 on each of two clusters. Then 4 empty nodes on each half filled cluster can be "backfilled" as needs warrant. This will keep the clusters more geographically tight, minimizing spaghetti wiring as nodes are added.

The incremental cost of providing for expansion in this manner is negligible. Work through a few configurations and you will see that after 6-8 nodes, the cost stabilizes at \$850 - 1000, per node (or \$1250 to 1400 with SNA emulation), depending on wiring runs, options, etc.

(#1) - These publications are unnecessary except for a very sophisticated user, particularly a programmer developing software for the network and PCs. Extremely rarely will an end user need access to these manuals. Perhaps one set for reference for all users will do except for a network of users involved in software development.

(#2) - These items required only to provide mainframe communications to the nodes on the network. Purchase one license for each attached PC that will be used for terminal emulation. Only one communications adapter required for each 32 emulation sessions. More than 12 concurrent sessions, however, will require dedicated PC(s) to function as communications server(s) due to response degradation.

- (#3) - PCs made before 10/26/82 (serial numbers 0300960 or lower) must have the BIOS Update Kit installed to operate on the IBM PC Local Area Network.
- (#4) - The IBM PC Network Program is not ABSOLUTELY required for minimal access to some network services. However, it is HIGHLY recommended for full network access and access to future network applications.

Sheet1

IBM PC Local Area Network  
Planning Worksheet

Node Totals:

With SNA: 0

Where ?	Who		
Vacant		Filled:	0
Vacant			
Vacant			
Vacant		Vacant:	8
Vacant			
Vacant			
Vacant			
Vacant			

Part No.	Description	\$ each	\$ extended
Network Publications:			
6322505	PC Network Technical Reference	Err:504	Err:504
9999999	DOS 3.1 Technical Reference	Err:504	Err:504
Network Hardware:			
5178001	PC Network Translator Unit	Err:504	Err:504
1501205	PC SDLC Communications Adapter	Err:504	Err:504
Node Hardware:			
6450213	PC Network Adapter	Err:504	Err:504
9991005	BIOS Update Kit (old PCs only)	Err:504	Err:504
Node Cable: (one cable per node)			
6450234	25 ft. Network Cable	Err:504	Err:504
6450235	50 ft. Network Cable	Err:504	Err:504
6450236	100 ft. Network Cable	Err:504	Err:504
6450237	200 ft. Network Cable	Err:504	Err:504
Node Software:			
6024211	PC-DOS ver. 3.1	Err:504	Err:504
6024195	PC Network Program	Err:504	Err:504
6322526	PC Network SNA Emulation Program	Err:504	Err:504
Err:504 = Avg. Cost per Node      Cluster      Total:      Err:504			

Sheet1

IBM PC Local Area Network  
Planning Worksheet

		Node Totals:	
		-----	
Where	Who	With SNA:	0
Vacant		Filled:	0
Vacant			
Vacant			
Vacant		Vacant:	8
Vacant			
Vacant			
Vacant			
Vacant			

Part No.	Description	\$ each	\$ extended
-----			
Network Publications:			
6322505	PC Network Technical Reference	Err:504	Err:504
9999999	DOS 3.1 Technical Reference	Err:504	Err:504
Network Hardware:			
6450230	PC Network Base Expander	Err:504	Err:504
Network Cable - One of the following:			
6450231	1 ft. Short-Distance Kit	Err:504	Err:504
6450232	400 ft. Medium-Distance Kit	Err:504	Err:504
6450233	800 ft. Long Distance Kit	Err:504	Err:504
Node Hardware:			
6450213	PC Network Adapter	Err:504	Err:504
9991005	BIOS Update Kit (old PCs only)	Err:504	Err:504
Node Cable: (one cable per node)			
6450234	25 ft. Network Cable	Err:504	Err:504
6450235	50 ft. Network Cable	Err:504	Err:504
6450236	100 ft. Network Cable	Err:504	Err:504
6450237	200 ft. Network Cable	Err:504	Err:504
Node Software:			
6024211	PC-DOS ver. 3.1	Err:504	Err:504
6024195	PC Network Program	Err:504	Err:504
6322526	PC Network SNA Emulation Program	Err:504	Err:504
-----			

Sheet1

Err:504 = Avg. Cost per Node

Cluster

Total:

Err:504

IBM PC Local Area Network  
Planning Worksheet

Node Totals:

With SNA: 0

Where

Who

Vacant  
Vacant  
Vacant  
Vacant  
Vacant  
Vacant  
Vacant  
Vacant

Filled: 0

Vacant: 8

Part No.

Description

\$ each

\$ extended

Network Publications:

6322505 PC Network Technical Reference  
9999999 DOS 3.1 Technical Reference

Err:504 Err:504  
Err:504 Err:504

Network Cable - One of the following:

6450231 1 ft. Short-Distance Kit  
6450232 400 ft. Medium-Distance Kit  
6450233 800 ft. Long Distance Kit

Err:504 Err:504  
Err:504 Err:504  
Err:504 Err:504

Node Hardware:

6450213 PC Network Adapter  
9991005 BIOS Update Kit (old PCs only)

Err:504 Err:504  
Err:504 Err:504

Node Cable: (one cable per node)

6450234 25 ft. Network Cable  
6450235 50 ft. Network Cable  
6450236 100 ft. Network Cable  
6450237 200 ft. Network Cable

Err:504 Err:504  
Err:504 Err:504  
Err:504 Err:504  
Err:504 Err:504

Node Software:

6024211 PC-DOS ver. 3.1

Err:504 Err:504

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6024195 PC Network Program	Err:504	Err:504
6322526 PC Network SNA Emulation Program	Err:504	Err:504

Err:504 = Avg. Cost per Node	Cluster	Total:	Err:504
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IBM PC Local Area Network  
Planning Worksheet

Node Totals:

With SNA:	0
-----------	---

Where

Who

Vacant  
Vacant  
Vacant  
Vacant  
Vacant  
Vacant  
Vacant  
Vacant

Filled:	0
---------	---

Vacant:	8
---------	---

Part No.

Description

\$ each

\$ extended

Network Publications:

6322505 PC Network Technical Reference	Err:504	Err:504
9999999 DOS 3.1 Technical Reference	Err:504	Err:504

Network Cable - One of the following:

6450231 1 ft. Short-Distance Kit	Err:504	Err:504
6450232 400 ft. Medium-Distance Kit	Err:504	Err:504
6450233 800 ft. Long Distance Kit	Err:504	Err:504

Node Hardware:

6450213 PC Network Adapter	Err:504	Err:504
9991005 BIOS Update Kit (old PCs only)	Err:504	Err:504

Node Cable: (one cable per node)

6450234 25 ft. Network Cable	Err:504	Err:504
6450235 50 ft. Network Cable	Err:504	Err:504
6450236 100 ft. Network Cable	Err:504	Err:504
6450237 200 ft. Network Cable	Err:504	Err:504

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Node Software:

6024211 PC-DOS ver. 3.1	Err:504	Err:504
6024195 PC Network Program	Err:504	Err:504
6322526 PC Network SNA Emulation Program	Err:504	Err:504

Err:504 = Avg. Cost per Node      Cluster      Total:      Err:504

P/N	Bill of Materials Description	\$ each	Network Quantity
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0

1501205 PC SDLC Communications Adapter	240	_____	
5178001 PC Network Translator Unit	595		1
6024195 PC Network Program	75		0
6024211 PC-DOS ver. 3.1	65		0
6322505 PC Network Technical Reference	195	_____	
6322526 PC Network SNA Emulation Program	375		0
6450213 PC Network Adapter	695		0
6450230 PC Network Base Expander	59		1
6450231 1 ft. Short-Distance Kit	39		#VALUE!
6450232 400 ft. Medium-Distance Kit	79		#VALUE!
6450233 800 ft. Long Distance Kit	89		#VALUE!
6450234 25 ft. Network Cable	29		#VALUE!
6450235 50 ft. Network Cable	39		#VALUE!
6450236 100 ft. Network Cable	59		#VALUE!
6450237 200 ft. Network Cable	99		#VALUE!
9991005 BIOS Update Kit (old PCs only)	n/a		#VALUE!
9999999 DOS 3.1 Technical Reference	n/a		#VALUE!

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FOOTNOTES

(#1)  
(#1)

(#2)

(#3)

(#4)  
(#2)

(#1)  
(#1)

(#3)

(#4)  
(#2)

(#1)  
(#1)

(#3)

(#4)  
(#2)

(#1)  
(#1)

(#3)

(#4)  
(#2)

Network  
\$extended

-----	
#VALUE!	
595	
0	
0	
#VALUE!	
0	
0	
59	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
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#VALUE!	
=====	