May 1995, PC/Computing ROI Spreadsheet
How to use this spreadsheet.
1. Insert the hourly wages that apply to you under the table "Wages for user group".
2. Go to the section of the spreadsheet that contains the component that you want to upgrade (Modem, Fax Machine, Scan/C
3. Where applicable, change the upgrade cost table and the hours per day table to reflect your costs and computer usage.
4. The three tables for time for upgrade to pay for itself, payback after one year of use, and productive hours gained after on y
5. Areas with a gray background are calculated fields and should not be modified.

User Group:
Average PC/Computing User

ROI for 14.4 to 28.8 Modem Upgrade

Task
Respond to mail
Send mail w/attachment
Download file
Run remote apps.
AVERAGE

Task
Respond to mail
Send mail with attachment
Download file
Run remote apps.
Overall

Task
Respond to mail
Send mail with attachment
Download file
Run remote apps.
Overall

Task
Respond to mail
Send mail with attachment

Download file
Run remote apps.
Overall

Long-Distance Savings after one year of using a 28.8bps compared to 14.4bps modem

Task
Respond to mail
Send mail with attachment
Download file
Run remote apps.
Overall

ROI for FAX Modem

Task
Faxing one page documents
Faxing one page to multiple people
Faxing a multi-page document
Overall

Task
Faxing one page documents
Faxing one page to multiple people
Faxing a multi-page document
Overall

Task

Faxing one page documents
Faxing one page to multiple people
Faxing a multi-page document
Overall

Task
Faxing one page documents
Faxing one page to multiple people
Faxing a multi-page document
Overall

ROI for Scan and OCR

Task
Scan and OCR a small document
Scan and OCR a long document
Overall

Task
Scan and OCR a small document
Scan and OCR a long document
Overall

Task

Scan and OCR a small document
Scan and OCR a long document
Overall

Task
Scan and OCR a small document
Scan and OCR a long document
Overall

Wages for user groups
Hourly Wage

$26.00

Cost of Upgrading Modem to 28.8

$419.00

Percent Faster with Upgraded Modem

0%
15%
53%
30%
24.65%

Numbers of days for upgrade to pay for itself
NA

213.34
60.74
105.90
130.74

Payback after one year of use.
Payback

-$419.00
$62.19
$1271.09
$550.35
$366.16

Productive hours gained after one year.

0.0
18.5

65.0
37.3
30.2

Savings based on 25-cent a minute long-distance rate

$0.00
$277.61
$975.05
$559.24
$452.97

Cost of Upgrading to a USR 14.4 Fax Modem + Win Fax Pro Software

$191.58

Percent Faster with Upgraded Modem

45%
88%
17%
50.00%

No. days for Fax modem to pay for itself

32.7
16.7
88.0
29.5

Payback after one year of use.
Net

$1244.23
$2616.82
$341.55
$1400.87

Productive hours gained after one year.

55.2
108.0
20.5
61.2

Cost of Upgrading to a Scanner

$469.00

Percent Faster with Upgraded Modem

0%
36%
17.85%

Workweeks for upgrade to pay for itself (days/5)
NA

20.21
40.42

Payback after one year of use.
Net

-$469.00
$668.07
$99.54

Productive hours gained after one year.

0.0
43.7
21.9

* Put your hourly wage here.

* Put the cost of upgrading your modem here.

Hours per Day

0.50
0.50
0.50
0.50
0.50

Number of weeks for upgrade to pay for itself (wks/5)
NA

42.67
12.15
21.18
26.15

Payback with Long Distance

-$419.00
$339.79
$2246.14
$1109.59
$819.13

*[245 work days in a year * Hours per day * 60 minutes in hour * 25-cent-a-min. LD rate * increase]

* Put the cost of upgrading to a fax modem here.

Hours per Day

	0.50
	0.50
	0.50
	0.50

Workweeks for upgrade to pay for itself (days/5)

	6.54
	3.34
	17.61
	5.89

Productive hours gained after one year.

	1.4
	2.7
	0.5
	1.5

* Put the cost of upgrading to a scanner with OCR here.

Hours per Day

0.50
0.50
0.50

No. of days of upgrade to pay for itself
NA

101.1
202.1

Productive weeks gained after one year

0.00
1.09
0.55

* Put the hours per day spent using the 14.4 modem for each of the following tasks here. Convert minutes to percentage. (e.g

* Put the hours per day spent using the fax machine for each of the following tasks here. Convert minutes to percentage. (e.g

* Put the hours per day spent completing each of the following tasks without scan and OCR here. Convert minutes to percen