

1-SENDING AND RECEIVING ANALOG FAXES FROM A COMPUTER

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TuCS COMPUTER
SON
SOCIETY

SUMMARY

If you have a fax modem and an analog phone line, you can send and receive analog faxes from a computer to avoid the expense of buying a fax machine or using the fax services at a retail store.

TOPICS

- Demonstration of "Windows Fax.." in a "Windows 10 Home" computer
- Demonstration of "efax-gtk.." in a "Linux" computer
- Fax Machine Virtualization
- Using "Windows Fax and Scan"

DEMONSTRATION OF FAXING WITH "WINDOWS FAX AND SCAN"

"Windows 10" computer
connects via USB or PCIe to
Fax/Data Modem
which is used by
"Windows Fax and Scan"
to send and receive faxes:

EXISTING TELEPHONE OUTLET



"STARTECH"
FAX MODEM



ANALOG
TELEPHONE
LINE



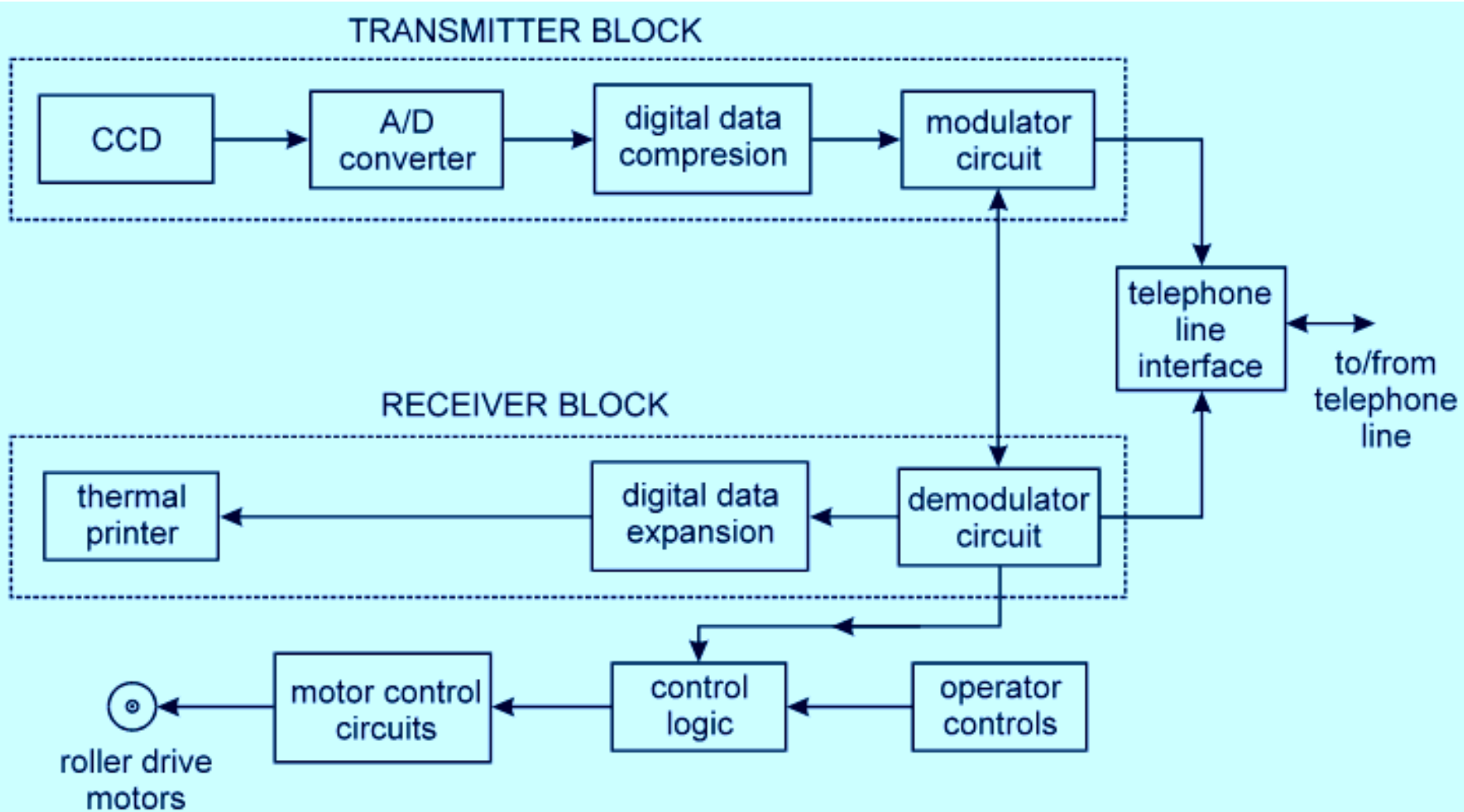
USB 2

"WINDOWS FAX AND SCAN"
APPLET
INSIDE "WINDOWS 10"

FAX MACHINE VIRTUALIZATION

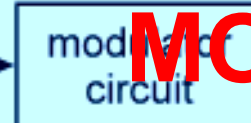
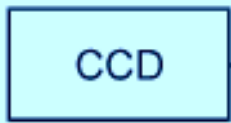
If you have a computer, you already have most of the parts of a fax machine so Microsoft "Windows Fax" and third-party "fax apps" provide you with a few missing firmware and software-based modules and you then have a virtual fax machine that works like a real one:

FAX MACHINE BLOCK DIAGRAM



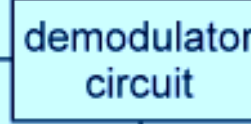
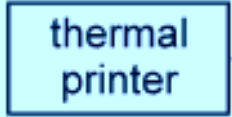
SCANNER

TRANSMITTER BLOCK



PRINTER

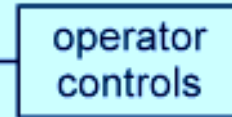
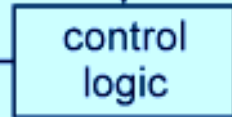
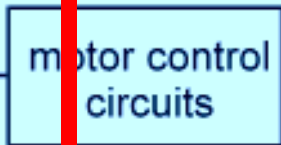
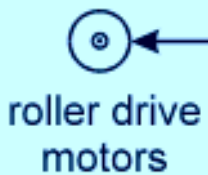
RECEIVER BLOCK



DIAL-UP MODEM



to/from telephone line



FAX MACHINE BLOCK DIAGRAM (continued)

To learn more about the inner workings of fax machines, please go to

<http://vsagar.com/2011/12/11/how-fax-machine-works-tutorials-on-fundamentals-of-facsimile-fax/>

which is where we borrowed the preceding diagram of a fax machine.

USING "WINDOWS FAX AND SCAN" TO SEND AND RECEIVE FAXES

- Install a fax modem for your "Windows.." or "Linux" computer
- Install or locate an app that can send and receive analog faxes: "Windows Fax & Scan", "FaxTalk", or "efax-gtk"
- Use "HP Fax Test" to learn to use the app to send and receive analog faxes
- Optional: Learn to send faxes with a prepaid telephone calling card