802D

1) **WINPCIN, PCIN**

- This software comes with all toolbox versions of 802D.
- This software works on RS232 protocol. It requires a standard RS232 cable with handshake signals.
- The software is used to take data backup (archives, partprograms,) in either text or binary format.
- Archives (startup data, PLC application PC) are to be taken only in binary format.
- All other data like machine data, PLC alarm text PC, partprograms, standard cycles, usercycles are to be taken in text format.
- PCIN is the older DOS based software which does the same job as WINPCIN. All the above points are also valid for PCIN.
- Along with the above mentioned features, PCIN has one additional advantage of tagging the files. With the help of this feature, multiple number of files can be selected at a single time to be downloaded to CNC. This feature is advantageous when we want to send all the standard cycles at once instead of sending them one by one. ALT+T is used for tagging the files.
- The communication baudrate can be set both in PC and the CNC the condition being that they should be matched.

- A standard setting of RS232 is given below:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baudrate</td>
<td>19200 bits per sec (can be changed)</td>
</tr>
<tr>
<td>Stopbits</td>
<td>1</td>
</tr>
<tr>
<td>Databits</td>
<td>8</td>
</tr>
<tr>
<td>Parity</td>
<td>None</td>
</tr>
<tr>
<td>Flow control</td>
<td>RTS/CTS (compulsory)</td>
</tr>
</tbody>
</table>
CABLE CONFIGURATION:
ALL CONNECTORS ARE FEMALE (9PIN AND 25 PIN)

2) PLC PROGRAMMING TOOL (802D)

- THIS SOFTWARE COMES WITH ALL THE TOOLBOX VERSIONS OF 802D
- THIS SOFTWARE IS USED TO UPLOAD AND DOWNLOAD PLC PROGRAMS FROM THE INTEGRATED S7200 OF 802D ONLY.
- THIS CANNOT BE USED WITH STANDALONE S7200.
- A STANDARD COMMUNICATIONS SETTING IS GIVEN BELOW
  - BAUDRATE: 38400 BITS PER SEC
  - STOP BITS: 1
  - PARITY: EVEN
• FOR COMMUNICATING WITH 802D PLC, CONFIGURE THE PARAMETERS IN THE “COMMUNICATIONS” WINDOW IN THE SOFTWARE. SELECT THE FOLLOWING SETTINGS:
  • SELECT 802D PPI AS THE INTERFACE FOR COMMUNICATION
  • IF REQUIRED, GOTO PROPERTIES AND CHANGE THE BAUDRATE AND COMPORT
  • PLS GIVE “CONNECT ON” IN THE PLC CONNECT PAGE OF 802D BEFORE ATTEMPTING TO ESTABLISH CONNECTION WITH 802D
  • THE CABLE CONFIGURATION IS SAME AS THAT OF RS232.

3) SIMOCOMU

THIS SOFTWARE IS USED TO COMMUNICATE WITH THE 611U, 611UE DRIVES.

THE FOLLOWING ARE ITS FEATURES
A) COMPLETE CONFIGURATION OF THE DRIVE ALONG WITH MOTOR DETAILS, ENCODER DETAILS, PROFIBUS ADDRESS
B) MASTER CONTROL OF DRIVE USING PC.
C) AUTO TUNING OF THE MOTORS UNDER LOAD.
D) ACCESS TO ALL DRIVE PARAMETERS USING EXPERT LIST.
E) CONFIGURING OF THIRD PARTY MOTORS FOR OUR DRIVES.

Cable diagram: 9/9 conductor

A commercially available 1:1 serial extension cable can be used to connect a PG/PC to "SIMODRIVE 611 universal".

![Cable diagram]

Fig. 2-10  RS232 connecting cable with RTS/CTS lines:
PG/PC <-> SIMODRIVE 611 universal
Fig. 2-11  RS232 connecting cable without RTS/CTS lines:
PG/IPC <-> SIMODRIVE 611 universal

Cable diagram: 25/9 conductor

Fig. 2-12  RS232 connecting cable: PG <-> SIMODRIVE 611 universal

Order No.: 6FC9 346-2T[00]
- B -> Length 5 m
- C -> Length 10 m
S 7

1) STEP 7 MICRO/WIN 32

- THIS SOFTWARE IS FOR COMMUNICATING WITH S7 200 STANDALONE PLC.

- THE CABLE USED TO COMMUNICATE WITH S7 200 IS PPI CABLE.

- THE INTERFACE USED TO COMMUNICATE IS “PC/PPI CABLE (PPI)”

- THIS CABLE CONNECTS THE PPI PORT ON THE S7 200 CPU AND THE COMPORT IN YOUR PC. THE CABLE COMES WITH COM TO PPI ADAPTOR.

- IN SIMATIC FIELD PGS WITH BUILT IN MPI PORT, THE MPI CABLE CAN BE USED TO COMMUNICATE WITH S7200 CPU. THE PROTOCOL BEING CP5611 (MPI)

- THIS IS A STANDARD MOULDED CABLE.

- 2) SIMATIC MANAGER –STEP 7 V 5.0,5.1, 5.2

- THIS SOFTWARE IS USED FOR COMMUNICATING WITH S7300 INTEGRATED WITH 810D/840D AND ALSO FOR STANDALONE S7300 CPU.

- WITH SIMATIC FIELD PG HAVING BUILTIN MPI PORT, AN MPI CABLE CAN BE USED TO COMMUNICATE WITH THE CPU.

- THE PROTOCOL TO BE USED FOR THE COMMUNICATION IS CP5611 (MPI).

- BAUDRATE OF MPI IS 187.5 KBPS.

- WITH A NORMAL PC HAVING A COMPORT, A PPI CABLE SHOULD BE USED TO COMMUNICATE WITH S7300. THE PROTOCOL USED IS PC/PPI CABLE (PPI).

- WE USE STANDARD MOULDED CABLE FOR THE FOLLOWING
• PIN CONFIGURATION FOR MPI:
• 2-9PIN MALE PINS WITH 1:1 CONNECTION i.e 3-3,4-4,5-5,8-8,

840D

1) HMI ADVANCEDV 6.3, MMC103 V 5.3 FOR PC-PG

THIS SOFTWARE IS USED TO COMMUNICATE WITH 810D/840D NCU. THE PROTOCOL USED IS CP5611 (MPI) WITH A SIMATIC FIELD PG OR PC/PPI CABLE (PPI). THE PIN CONFIGURATION AND THE USAGE IS AS MENTIONED ABOVE

2) GHOST

THIS IS A SOFTWARE USED TO TAKE THE COMPLETE HARDDISK BACKUP OF PCU50 AND MMC 103. THE BACKUP IS EXTREMELY USEFUL IF THE EXISTING HARDDISK CRASHES. THE BACKUP IS TAKEN IN *.GHO FORMAT. THE BACKUP CAN BE TAKEN BOTH DISC WISE OR PARTITION WISE.
EXISTING VERSIONS OF GHOST ARE GHOST V5.1B, GHOST V6.0

GHOST SOFTWARE COMES INBUILT IN MMC103, PCU50 SERVICE MENU. THE TRANSFER OF THE BACKUP FILES WILL BE DONE THROUGH THE NETWORK CROSS CABLE (RJ45) OR THROUGH PARALLEL CABLE.

THE PIN CONFIGURATION OF THE PARALLEL CABLE IS GIVEN BELOW:

2*25 PIN MALE CONNECTORS.

2-15
3-13
4-12
5-10
6-11
10-5
11-6
12-4
13-3
15-2
25-25
BODY -BODY
3) **GHOST EXPLORER**

This software is used to browse the *.gho files. This gives the information on the partitions of the harddisk, the folders which are within the partition.

4) **SINUCOPY (WIN98, NT), SINCOM FFS (WINDOWS XP)**

This software is used to read the pcmcia card in the PC. It is used to write 802D, 810D, 840D system softwares onto the pcmcia card. It is also used to take backup of the archives and partprograms present in the pcmcia card. The softwares support flash ffs file system.