MCS9865
DOS Driver Installation User Manual

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Description

This document provides the information on how to install the serial and parallel drivers for MosChip MCS9865 PCI to Serial and Parallel I/O ports under DOS 6.22 environment.

Normally any serial and parallel I/O ports can be supported by BIOS call services in DOS environment. However DOS supports only 4 serial ports and 3 parallel ports.

Contents available with Moschip DOS Driver Disk

- GEMDOSIN.EXE   ---   DOS Utility to install ports.
- DOS Driver Installation Guide. PDF   ---   PDF Document of Installation Guide.

Options

The following options are available with the MCS9865 DOS Utility "**GEMDOSIN.EXE**".

-a[dd]	= To add Moschip Serial or Parallel I/O Ports
-c[onfig]: <parameters>	= To configure Moschip Serial or Parallel I/O Ports
-d[elete]	= To delete Moschip Serial or Parallel I/O Ports
-s[ilent]	= Silent mode
-t[est]	= To Test the Moschip Serial or Parallel ports (requires external Loop-Back plugs)

Installation Procedure

The following procedure explains how to install MosChip serial and parallel I/O ports on DOS.

Step 1: Copy "**GEMDOSIN.exe**" to 'C:\' Drive from Floppy. The command is "**copy a:\ GEMDOSIN.exe c:**"

Step 2: Type "**gemdosin**" to confirm Device detection. (Eg. MCS9865)

Following information is displayed For 2 Serial and 1 Parallel Port

```
        COM1 exists.
        COM2 exists
        LPT1 exists.
        PCI Device configurations.
        Found Moschip Semiconductor pci device 9865 (1000A000) Rev00 on Bus01 Slot 00
        Found Moschip Semiconductor pci device 9865 (1000A000) Rev00 on Bus01 Slot 00
        Found Moschip Semiconductor pci device 9865 (2000A000) Rev00 on Bus01 Slot 00
        Detected 3 pci device(s)
        = = = = = = = = = = = = = =
           COM1 exist at 3F8.
           COM2 exist at 2F8.
           LPT1 exist at 378
        = = = = = = = = = = = = == = = =
```

Step 3: type "**gemdosin -a**" and press **Enter.** (-a is used for adding Moschip ports). On Successful installation, information is displayed as below:

Following information is displayed For 2 Serial and 1 Parallel Port

```
        COM1 exists
        COM2 exists
        LPT1 exists
        PCI Device configurations…
        Found Moschip Semiconductor pci device 9865(1000A000) Rev00 on Bus01 Slot00
          Serial port at 9000
        Found Moschip Semiconductor pci device 9865(1000A000) Rev00 on Bus01 Slot00
          Serial port at 9400
        Found Moschip Semiconductor pci device 9865(2000A000) Rev00 on Bus01 Slot00
          Printer port at 9800
            Detected 3 pci device(s)
          ==========================
            COM1 exists at 3F8
            COM2 exists at 2F8
            COM3 added at 9000 (IRQ 9)
            COM4 added at 9400 (IRQ 11)
            LPT1 exists at 378
            LPT2  added at 9800 (IRQ 6)
          ==========================
```

- Moschip ports are installed successfully.

Step 4 : Just type "**gemdosin -t**" to test Moschip Serial or Parallel Ports. Need to connect external loop back connectors to the serial and parallel ports.
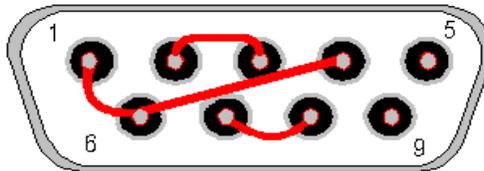
Following information is displayed For 2 Serial and 1 Parallel Port

```
        COM1 exists
        COM2 exists
        COM3 exists
        COM4 exists
        LPT1 exists
        LPT2 exists
        PCI device configurations….
Found Moschip Semiconductor pci devices 9865(1000A000) Rev00 on Bus01 Slot00
  Serial port at 9000 : Test pass.
Found Moschip Semiconductor pci devices 9865(1000A000) Rev00 on Bus01 Slot00
  Serial port at 9400 : Test pass
Found Moschip Semiconductor pci devices 9865(2000A000) Rev00 on Bus01 Slot00
  Printer port at 9800 : Test pass.
Detected 3 pci device(s)
```

Note: 485 / 422 Features are not supported in the current version of DOS Drivers.
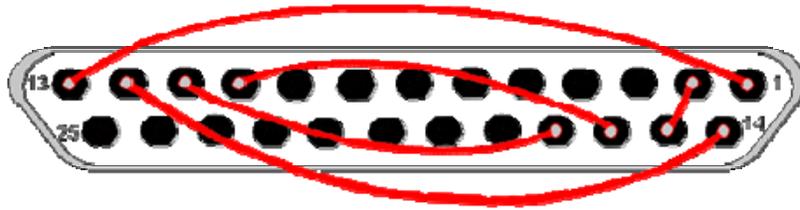
Loop back connections

1. **Serial Loop back connection**

Female DB-9 connector - Rear view

2. **Parallel Loop back connection**

Male DB-25 connector - Rear view

Contact information

Contact   sales@moschip.com   for commercial details

Write to techsupport@moschip.com for technical queries

Revision history

Date	Reason for change	Version
15th May 2008	Initial Release	0.1

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