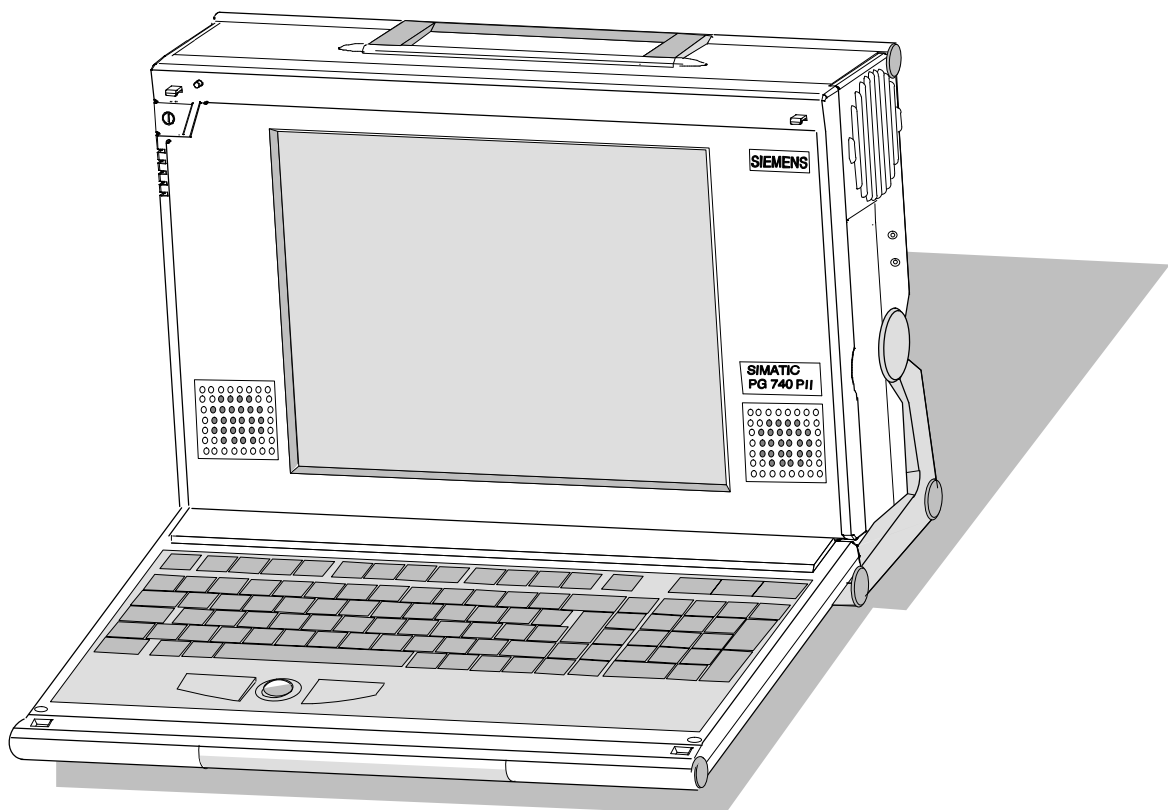# SIEMENS

SIMATIC

PG 740 PII Programming Device

Product Information Bulletin

This leaflet gives you specific
technical information on your
PG 740 PII programming device.

Safety Guidelines

This product information bulletin contains notices which you should observe to ensure your own personal safety, as well as to protect the product and connected equipment. These notices are highlighted in the manual by a warning triangle and are marked as follows according to the level of danger:

!

Warning

indicates that death, severe personal injury or substantial property damage can result if proper precautions are not taken.

!

Caution

indicates that minor personal injury or property damage can result if proper precautions are not taken.

Note

draws your attention to particularly important information on the product, handling the product, or to a particular part of the documentation.

Correct Usage

Please observe the following:

Note

You can set up and operate your programming device in conjunction with the following instructions. You should only connect external devices and work with memory cards in conjunction with the PG 740 PII manual.

Only **qualified personnel** should be allowed to install and work on this equipment using the PG 740 PII manual. Qualified persons are defined as persons who are authorized to commission, to ground, and to tag equipment, systems, and circuits in accordance with established safety practices and standards.

!

Warning

This device may only be used for the applications described in the catalog or technical description, and only in connection with devices or components from other manufacturers which have been approved or recommended by Siemens.

This product can only function correctly and safely if it is transported, stored and set up carefully and correctly, and operated and maintained as recommended.

Trademarks

SIMATIC®, SIMATIC NET® and SIMATIC HMI® are registered trademarks of Siemens AG.

Progress
in Automation.
Siemens

FCC approval for USA and Canada

Federal Communications Commission
Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded Cables

Shielded cables must be used with this equipment to maintain compliance with FCC regulations.

Modifications

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Conditions of Operations

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Canadian Notice

This equipment does not exceed the Class A limits for radiated emissions as described in the Radio Interference Regulations of the Canadian Department of Communications.

Avis Canadien

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Classe A prescrites dans le Réglement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

Setting Up and Transporting the PG 740 PII

Unpacking the PG 740 PII

Unpack your PG 740 PII programming device as follows:

1. Remove the packing.

2. Do no throw the original packing away. Keep it in case you have to transport the unit again sometime in the future.

3. Check with the packing list to make sure no components are missing.

4. Check the packing and its contents for any shipping or transport damage.

5. Please inform your local dealer of any shipping or transport damages and of outstanding items indicated on the packing list.

If your device has been stolen and repair work is required, the repair and maintenance centers can only identify it by its **serial number**.

Enter the serial number of your programming device in the table below. You can find this number on the type label attached to the base of the device.

Serial number	
PG 740 PII	

**Desk-Top Mounting**

The PG 740 PII is mostly mounted on a desk or table top. To make working with the PG 740 PII easier, it can be adapted as follows to the particular workplace.

Set up your programming device as follows:

1. Set the PG 740 PII down on the desk or the table top.

2. Open the keyboard lock by pulling up the anthracite-colored handle.

3. Swing the keyboard down into position.
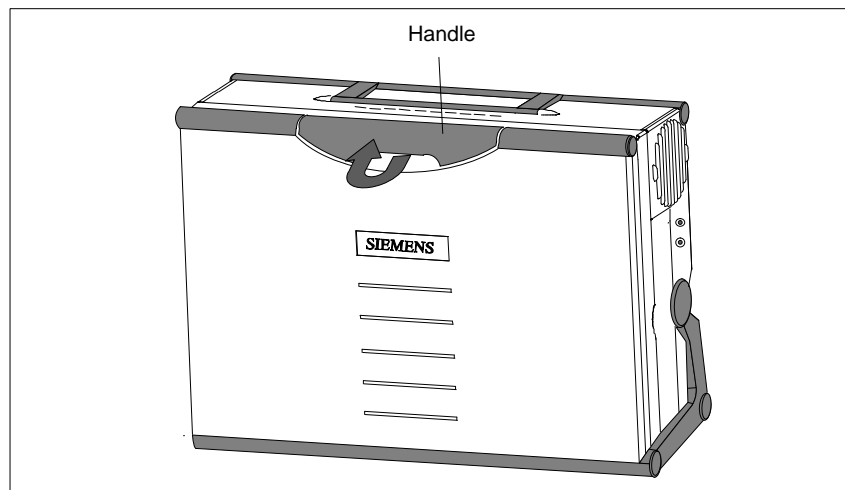
Changing the Angle of Inclination

With the keyboard open, you can incline the unit to any angle between 0 and 90° around the axis of rotation of its stand. Proceed as follows:

1. Swing the keyboard down.

2. Pull the extra support out of the rear of the stand.

3. Incline the unit to the angle you prefer.

⚠️ **Caution**

Risk of injury!

There is a danger of the unit tipping over if it is set up without extra support and at an angle of inclination of more than 15°. This could lead to personal injury and also damage to the unit.

If the angle of inclination is greater than 15°, you must use the extra slide-out support in the stand.
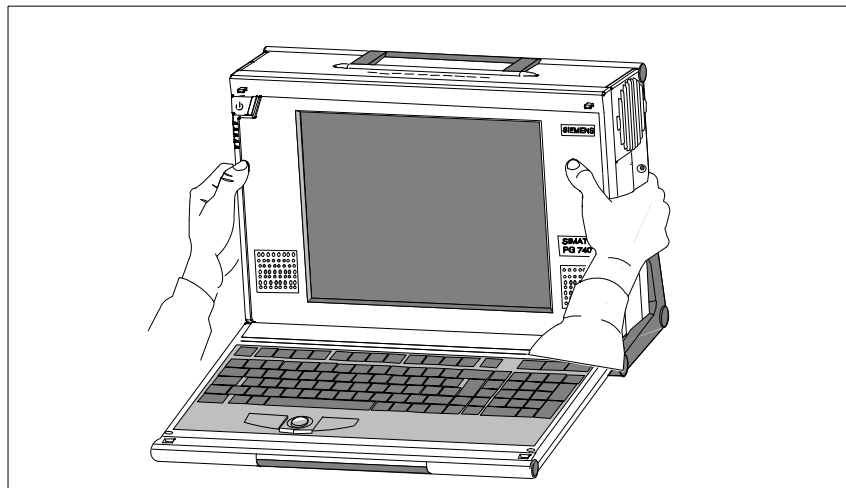
Preparatory Measures

The PG 740 PII is easy to transport. Before transporting it, however, you should take the following measures:

1. Switch the PG 740 PII off and wait approx. 20 seconds.

2. Then, unplug all connecting cables.

3. Close the covers protecting the ports and connections on the right-hand and left-hand casing side panels.

4. Bring the unit into an upright position.

5. Swing the keyboard up and press it against the front plate of the unit. **Make sure** that the latches on the left and the right sides snap into place.

6. Use the carrying handle if you only intend transporting the unit over a short distance.

7. If you are transporting the PG 740 PII over large distances, pack the unit with all its accessories in the carrying bag supplied.

Transport

Despite the fact that the PG 740 PII is of rugged design, its internal components are sensitive to severe vibrations or impact. You must therefore protect your PG 740 PII against severe mechanical stressing when transporting it.

Use the **original packing material** if you have to ship the PG 740 PII from one location to another.

⚠️ **Caution**

Risk of mechanical damage!

Moisture or condensation in the unit can result in defects.

When transporting your PG 740 PII in cold weather when it may be exposed to extreme variations in temperature, make sure that no moisture or condensation can form on or in the unit.

The unit should be allowed to reach room temperature slowly before it is started up. If condensation has formed, the unit should be left for about 12 hours (with a temperature difference of -20° C to +20° C (–4° F to +68° F)) before being switched on.

Hardware Components of the PG 740 PII

Front

You can access all the important operator controls and displays from the front or sides of the unit. The CD-ROM drive can be accessed from the underside of the device.

Hold the on/off switch down for one second to commission the device.
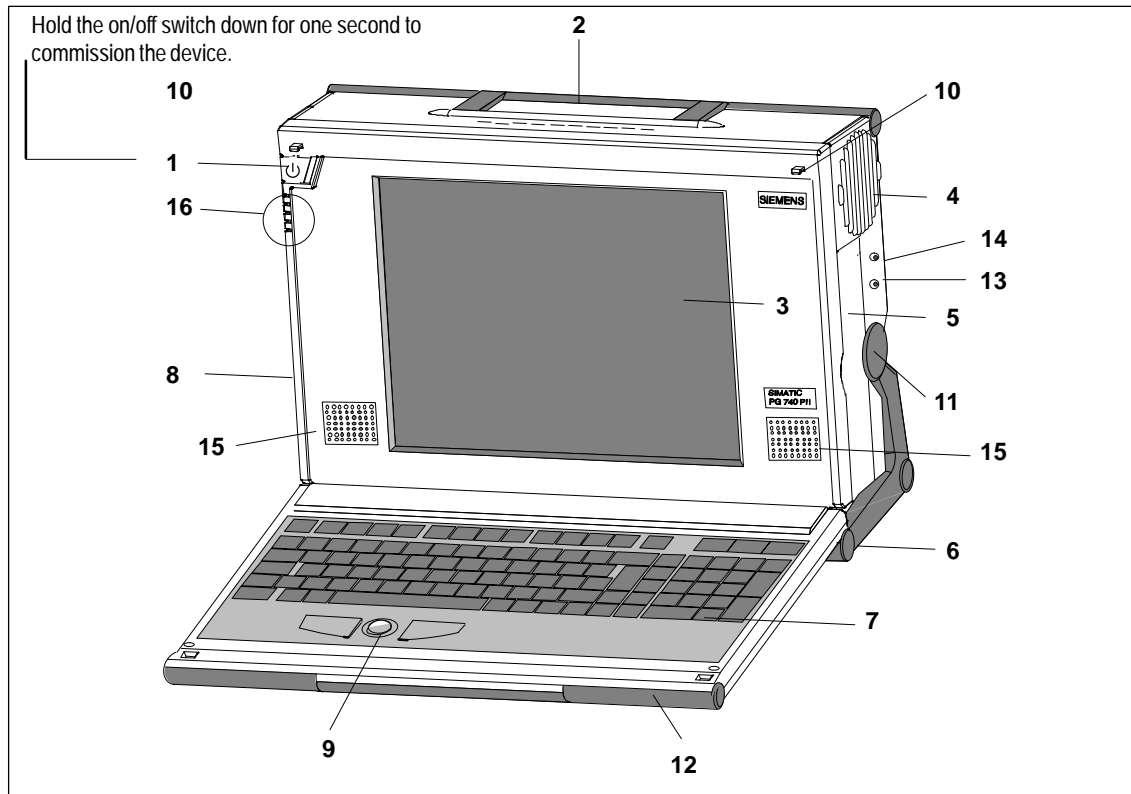
1 On/off switch for ON/Power Standby
2 Carrying handle
3 Display
4 Ventilating slots
5 Coverplate for memory submodules, MEM card PC-Card interface ports and floppy disk drive [1]
6 Stand
7 Keyboard
8 Coverplate for interfaces: VGA, COM2, COM1, MPI/DP, LPT1/Printer, mouse[1]
9 Trackball
10 Catches for locking keyboard
11 Pivot
12 Protector strip
13 Socket for headphones
14 Socket for microphone
15 Loudspeaker opening

16 LED displays

ON/Power Standby display [2]
Hard disk/CD-ROM access
Floppy disk access
Submodule programming active
MPI, I/O port active
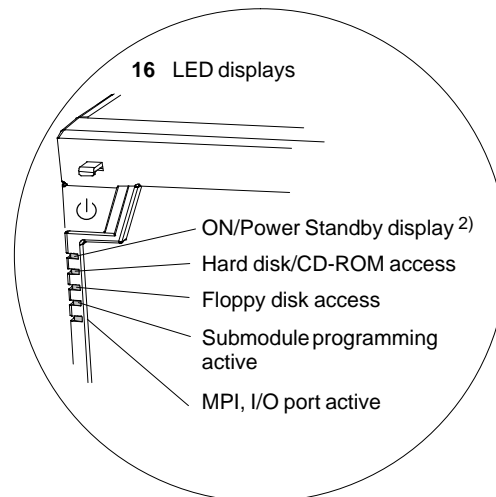
[2] Power ON: green
Power Standby: red

[1] The coverplates are used to protect the interface ports from dust, and can be detached and snapped back on

Note

You can use the On/off switch to switch to Power/Standby. You can connect peripheral equipment to the PG 740 PII in this mode. When the network connection is withdrawn, the device is completely without power.

If the device was switched off previously using the On/off key or via Windows, it will remain in Power Standby mode when it is reconnected to the power supply. If , however, the programming device was switched off by pulling the network connector from its socket, the device will start up automatically when reconnected to the power supply. To ensure that the device switches off automatically when Windows is exited, set "Power OFF Source Software" to Enabled in the BIOS Setup menu.

Left-Hand Casing Side Panel (Communications Side)

All the connectors and interface ports for connecting to external devices are located on the left-hand side panel of the PG 740 PII (communications side).
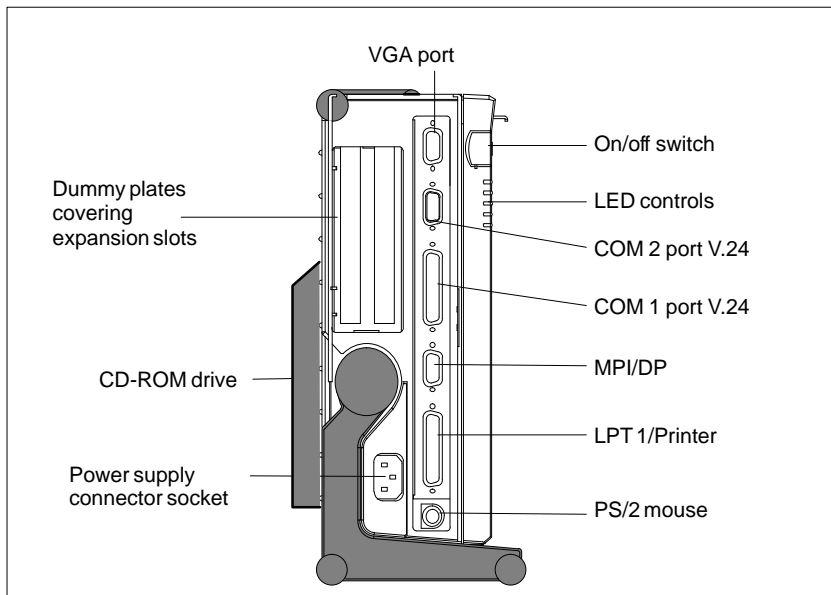
Ports and Connectors	Function
VGA port	Connection for external monitor
COM 2 V.24/mouse Serial port	Connection for serial mouse
	Connection for serial printer
COM 1 V.24/MODEM/PLC Serial port	Connection for S5 programmable controller
MPI/DP Multipoint Interface (RS485)*	Connection for S7 programmable controller via a CP5611-compatible MPI/DP interface
LPT 1 printer Parallel interface	Connection for parallel printer
PS/2 mouse	Connection for external PS/2 mouse
Power supply connector socket	Connection for power supply

* Galvanic isolation within the safety extra-low voltage circuit (SELV)

Power Supply   Please note the following instructions when connecting your device to the power supply.

Note

The power plug must be disconnected to isolate the unit completely from the supply.

For operation in Canada and the USA, a CSA or UL-listed power supply cable must be used.

For the United States and Canada:

In the United States and Canada the cord must be UL Listed and CSA Labelled. The male plug is a NEMA 5-15 style.

For operation with 120 V:

Use a UL Listed, CSA Labelled Cord Set, consisting of a min. 18 AWG. Type SVT or SJT three conductor flexible cord, max. 4.5 m (15 feet) in length and a parallel blade grounding type attachment plug, rated 15 A, min 125 V.

For operation with 240 V (within the USA):

Use a UL Listed, CSA Labelled Cord Set, consisting of a min. 18 AWG. Type SVT or SJT three conductor flexible cord, max. 4.5 m (15 feet) in length and a tandem blade grounding type attachment plug, rated 15 A, 250 V.

For operation with 230 V (outside of USA):

Use a Cord Set consisting of a min 18 AWG cord and grounding type attachment plug rated 15A, 250 V. The cord set should have the approvriate safety approvals for the country in which the equipment will be installed and marked.

The unit is intended for operation with grounded power supply networks (TN networks, VDE 0100 part 300 or IEC 364-3).

The unit is not intended for operation with non-grounded or impedance-grounded systems (IT networks).

The Labeled Cord Set has to comply with the safety requirements of the individual state.

VGA Port   Please read the note referring to the operation of LC displays and external monitors.

Note

The default setting of the display provides the simultaneous operation of a LC display and an external monitor. The screen display is then optimized to a format of 1024*768 pixels. Modes with a lower resolution and text modes are expanded to this format.

To optimize the screen display for an external monitor, select "PG 740 PII Hardware Options" under Setup and set "CRT/LCD selection: CRT enabled". A resolution of 1024*768 pixels with a higher refresh rate can then be set.

Right-Hand Casing Side Panel (Processing Side)

You access the slots for the S5 submodule interface, the memory card interface, the Cardbus / PC card interface, the disk drive, and the headphones and microphone connection from the right-hand side panel of the PG 740 PII's casing (processing side).
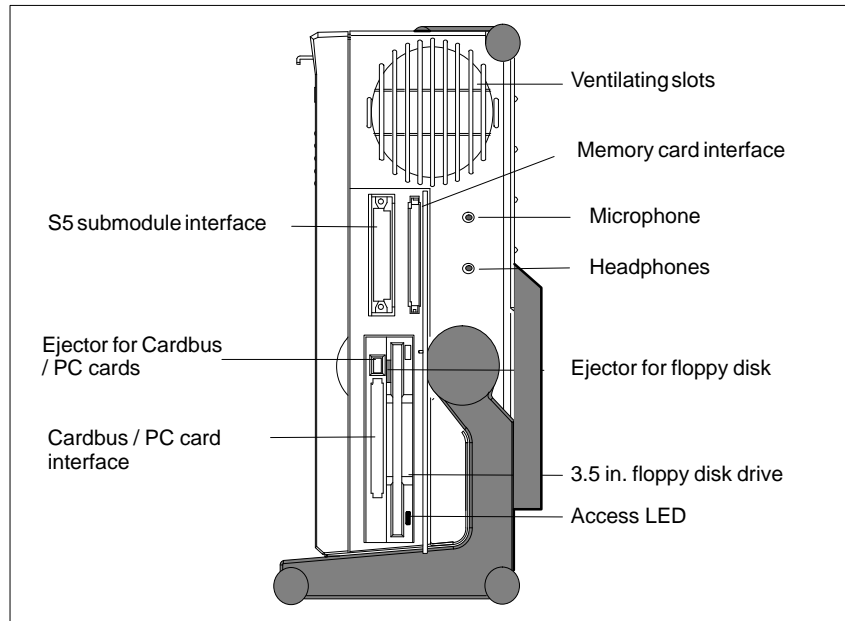
The following table contains an overview of the various interface ports and connectors:

Interface Port	Function
Programming port for S5 submodules	Programming of SIMATIC S5 submodules
Programming port for memory cards	Programming of SIMATIC memory cards
Cardbus / PC card port	Connection for Cardbus / PC cards
Floppy disk drive	Processing of 3.5 in. diskettes
Headphones and microphone	Playback and recording

Ventilating Slots

The raised air outlet slots for the ventilation are located above the interface ports. There are also ventilating slots on the underside of the base. These slots must not be covered and blocked in any way (by carpeting, for instance).

Caution

Risk of overheating!

If you cover up the slots for the inlet and outlet air in any way, there is a risk that your PG 740 PII will be damaged.

Do not place any objects over, or lay them on, the ventilating slots.

Color Display of the PG 740 PII

The PG 740 PII has a TFT (thin-film transistor) color display with a 13.3 in. diagonal ($\approx$ 34 cm) and a maximum resolution of 1024 x 768 pixels (XGA).

> **Caution**
>
> Risk of injury!
>
> If a display is damaged, liquid crystal may escape. Do not touch this liquid or allow it to come into contact with your skin in any way, and do not breathe in the vapors. If you do come into contact with the liquid, wash those parts of the skin affected immediately with alcohol, and rinse with plenty of water. Then consult a physician right away.
>
> Use only a cotton cloth and a neutral cleansing agent to clean the display. Do not use water or aggressive solvents (like alcohol or acetone, for example). Never touch the display with hard, pointed objects.

Drive Types

The PG 740 PII is equipped with a 3.5 in. floppy disk drive, a 3.5 in. hard disk drive, and a CD-ROM drive.

Disk Drive

You can store programs and data on diskettes with the disk drive and load them from diskettes into the PG 740 PII.

Types of Diskette

You can use the following diskettes:

Double-Sided High-Density Diskette	Double-Sided Double-Density Diskette
3.5 in.	3.5 in.
1.44 Mbytes (135 TPI)	720 Kbytes
Programming device recognizes diskettes by their coding	Programming device recognizes diskettes by their coding

Handling Diskettes with the Floppy Disk Drive

The diskette is inserted in the disk drive as shown below:
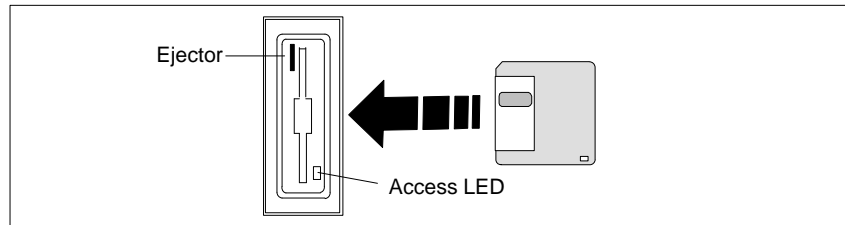
Hard Disk Drive

Whenever the hard disk is accessed, the access LED on the front of the unit lights up. You can find further information on page 11.

⚠ **Caution**

Risk of loss of data and damage to the drive!

Drives are sensitive to vibrations and shock. Any vibrations occurring during operation can lead to the loss of data or damage to the drive.

If you intend transporting the unit, switch it off, and wait until the drive has come to rest (about 20 seconds) before you move it.

S5 Submodules

Please note the following instructions while working with S5 submodules.

⚠ **Caution**

Risk of damage to submodules!

If you plug the submodule in or take it out while its processing software is running, there is a danger that it will be damaged.

You must not take out the S5 submodule as long as its LED is lit. You cannot work simultaneously with S5 submodules and memory cards.

Before plugging in or taking out S5 submodules you must discharge the electrostatic charge of your body by briefly touching a grounded object. (ESD guideline).

Memory Cards

Please note the following instructions while working with memory cards.

⚠ **Caution**

When inserting cards, make sure that the orientation point is facing upwards.

Risk of damage to memory cards!

You must insert the memory card into a 68-pin connector with the type label pointing to the rear of the unit.

If you try to plug the memory card in the wrong way around, your programming device or memory card will be damaged!

You must not take out the memory card as long as its LED is lit. You cannot work simultaneously with S5 submodules and memory cards.

Before plugging in or taking out memory cards you must discharge the electrostatic charge of your body by briefly touching a grounded object. (ESD guideline).

Cardbus / PC Cards

Proceed as follows while working with Cardbus / PC cards:

Caution

Before inserting or removing Cardbus / PC cards, you must discharge the electrostatic charge of your body by briefly touching a grounded object (see ESD guidelines in the PG 740 PII manual). Otherwise faults could occur.

Backup Battery

A backup battery (3.6 V lithium battery) powers the hardware clock even after the programming device is switched off.

Warning

Risk of severe personal injury or property damage, danger of release of harmful substances.

There may be a danger of explosion if the battery is not handled properly. Incorrect disposal of used batteries can cause the release of harmful substances.

Do not throw a new or discharged lithium battery into an open fire, do not solder onto the cell container. Do not recharge the battery, do not open the battery by force.

The correct lithium battery is available from Siemens (Order No.: W79084-E1003-B1).

Return used batteries to the manufacturer/recycler or dispose of them according to local regulations.

CD-ROM Drive

The CD-ROM drive enables you to read CDs.

Opening the Drawer

Swing the PG 740 PII into a horizontal position. The CD-ROM drive is now on the underside of the programming device. By briefly pressing the eject button, the drawer springs out slightly. Now pull the drawer out until it clicks into position.

Inserting / Removing CDs

When you first open the CD-ROM drive, you will find a transparent film sheet in the drawer, to protect the drive during transport. Remove this film, since it is no longer required. Now insert the CD in the drawer with the labeling face up, and press it firmly down into the center of the turntable. To remove the CD, hold it by the edges and pull upwards.

Caution

To avoid too much pressure on the open drawer, **always** hold the drawer at the front with one hand when inserting or removing a CD.

Closing the Drawer   Push in the drawer until it closes completely. Do **not** press the eject button.

Note

The EJECT function offered by various applications for opening the CD-ROM drawer does not work with this drive.

After the drawer has been closed, the CD is tested and the access display light on the drive starts to flash:

–   If the display flashes continually, the CD is faulty but can still be read,

–   If the display flashes several times and then remains lit, the CD you have inserted is defective and cannot be read.

CD-ROM Front
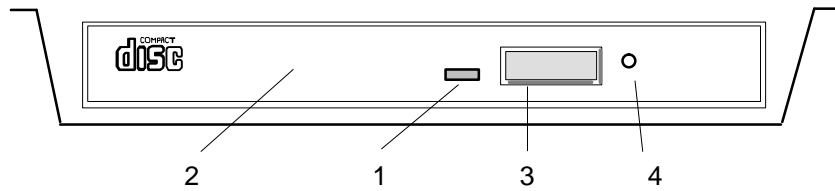
1   Access display
2   Drawer
3   Eject button
4   Emergency eject

Caution

Risk of data loss and damage to the drive!

CD-ROM drives are sensitive to vibrations and shock. Any vibrations occuring during operation can lead to damage to the drive or CD.

Emergency removal
By inserting a pen (or a paper clip) while the device is switched off, you can force the drawer to open.

Installing DIMM cards

Plug the DIMM memory cards in as follows:

1. First open the unit as described in Chapter 4 of the manual *PG 740 PII Programming Device*.

2. Plug the cards in vertically, making sure the cut-out on the connector end of the DIMM card engages properly.

3. Press the card lightly and tilt it downwards until it locks into place.

⚠ **Caution**

Risk of damage!

The cards must be plugged in tightly, otherwise they may be damaged.

⚠ **Caution**

Risk of damage!

Note that only qualified personnel should be allowed to work on the open unit, so the warranty on the device is not affected. Authorized Siemens maintenance and repair centers listed at the end of this Product Information Bulletin offer you a specialist maintenance service. Refer to Chapter 5 of the manual for further information.

Technical Specifications

Dimensions (w x h x d)	395 x 270 x 145 mm (15.5 x 10.6 x 4.7 in.)
Weight	approx. 7 kg (14.3 lbs.)
Line voltage	120 VAC (85 to 132 VAC), or 230 VAC (187 to 264 VAC) (automatic switchover at 140 VAC)
Line voltage frequency	50 / 60 Hz (47 to 63 Hz)
Brief voltage interruption	max. 20 ms at 0.85 V_N (max. 10 times per hour; min. recovery time 1 s acc. to Namur)
Max. power consumption Standby power	330 W typically 4 W
Degree of protection	IP30 (covers closed)
Safety	
Requirements	VDE 0805$\triangleq$EN 60950 and IEC 950 protection class I Protective separation between supply and secondary circuit
Noise emission	<45 dB(A) to DIN 45635 Fan with speed control
Electromagnetic compatibility (EMC)	
Emitted interference limit value class	B to EN 55022$\triangleq$ CISPR22/FCC Class A
Noise immunity on AC supply lines	± 2kV (to IEC 1000-4-4; burst) ± 1kV (to IEC 1000-4-5; µs pulse/line to line) ± 2kV (to IEC 1000-4-5; µs pulse/line to ground)
Noise immunity on signal lines	± 2kV (to IEC 1000-4-4; burst)
Noise immunity to discharges of static electricity	± 4kV, Contact discharge (to IEC 1000-4-2; ESD) ± 8kV, Air discharge (to IEC 1000-4-2; ESD)

Immunity to high frequency noise	10 V at 80% amplitude modulation at 1 kHz,
	               10 kHz - 80 MHz (to IEC 1000-4-6)
	10 V/m at 80% amplitude modulation at 1 kHz,
	               80 kHz - 1 GHz (to IEC 1000-4-3)
	10 V/m pulse modulated, 50% duty cycle at 900MHz
	               (acc. to ENV 50 204)

Environmental conditions	

Temperature
   operation
   storage/transport
	tested to DIN IEC 68-2-1, DIN IEC 68-2-2
	               +5° C to +40° C
	               - 20 ° C to +60° C
	(Max. speed of temperature change 10° C/h (18° F/h)
	condensation not permitted)

Relative humidity
   operation
   storage/transport
	tested to DIN IEC 68-2-3
	               5% to 80% at 25° C (77° F) (no condensation)
	               5% to 95% at 25° C (77° F) (no condensation)

Mechanical specifications	

Vibration
   operation
	tested to DIN IEC 68-2-6
	               10 to 60Hz; amplitude 0.035 mm
	               60 to 500Hz; acceleration 4.9 m/s^2
	               With CD-ROM operation, max. 1 m/s^2

Shock
   operation
	tested to DIN IEC 68-2-27
	               half-sine: 50 m/s^2, 30 ms

Mother board	
Integrated processor	Intel Pentium II / 266 MHz
Internal processor cache	16 Kbyte
Main memory	64 Mbyte up to a max. of 384 Mbyte SDRAM
Second level cache	512 Kbyte, on the processor card
Expansion slots	1 x shared PCI/ISA; max. 170 mm 1 x PCI, max. 170 mm
Max. permissible current consumption per ISA slot	5 V 1.6 A; 12 V 0.3 A; -12 V 0.05 A; -5 V 0.05 A

Drives	
Floppy disk drives	3.5" (1.44 Mbyte)
Hard disk drive	3.5" / 5.2 Gbyte
CD-ROM drive	IDE (ATA), 650 MB 20 x speed
Hard disk interface	IDE, Ultra DMA
Average access time	13 ms
LC display	
Type	active TFT (Thin Film Transistor)
Size	270 x 202 mm, equivalent to 13.3" (w x h)
Resolution	1024 x 768 (XGA)
Colors available	2^{18} colors available
Contrast	min. 150 : 1
Brightness	> 100 cd/m^2
Response time	30 / 50 ms (t_{rise} / t_{fall})
Faulty spots permitted	Bright dots: 15 max, Green Bright dots 6 max, ioin 5 max Black dots: 15 max, Join 2 max
Graphics	
Graphics	Super VGA with Windows accelerator
Graphics chip	C&T, 65555
Graphics memory	2 MByte ED0 DRAM
Interface to processor	PCI bus 32 bit
Resolutions / frequencies / colors	640 x 480 / 75 Hz / 16.7 Mio colors 800 x 600 / 75 Hz / 65536 colors 1024 x 768 / 75 Hz / 256 colors (16.7 Mio) 1280 x 1024 / 256 colors
Keyboard	
Type	MF2-compatible; with cursor block and numeric keypad; removable; 101 keys
Key spacing	19.05 mm
Key stroke	3 mm
Keytops	international / German
Integrated pointing device	16 mm trackball (PS/2-compatible)
Interfaces	
COM1	V.24 / V.28 (up to 30 m) or 20mA (TTY) (up to 1000 m) active or passive (25-way socket)
COM2	V24 (9-pin connector)
LPT1	Centronics, primarily for printer (parallel) (25-way socket)
VGA	for external monitor (15-way VGA socket)
Keyboard	for keyboard with integrated trackball (6-way mini DIN socket)
PS/2-compatible mouse	external mouse connection
Cardbus / PC card interface	interface for Cardbus / PC cards (type II; version 2.01) (Controller from TI: PCI1131)
Submodule interface	programming interface for SIMATIC S5 submodules
Memory card interface	programming interface for SIMATIC memory cards
MPI, I/O interface	for SIMATIC MPI or PROFIBUS-DP-networks (9-way socket); 1.2 - 12 Mbps, (CP5611-compatible)
LED Controls	
LEDs on the device	Power On (green) / Standby (red) Hard disk access Floppy disk access S5 submodule/memory card active MPI/DP token passing
LEDs on the keyboard	Caps Lock Scroll Lock Num Lock
Audio	
Audio controller	CS 4238 from *Crystal*
Headphones and microphone connection	Connection for 3.5 mm jack connector

Notes on the CE Symbol

The following applies to the SIMATIC product described in this product information bulletin:

EMC Directive

This product fulfils the requirements for the EC directive 89/336/EEC on "electromagnetic compatibility" and the following fields of application apply according to this CE symbol:

Field of Application	Requirement For	
	Emitted Interference	Noise Immunity
Residential, commercial, and light industry.	EN 50081-1: 1992	EN 50082-1: 1992
Industry	EN 50081-2: 1993	EN 50082-2: 1995

Low Voltage Directive

This product fulfils the requirements for the EC directive 73/23/EEC on "low voltage" and was tested to EN60950.

Declaration of Conformity

The EC declarations of conformity and the documentation relating to this are available to the authorities concerned, according to the above EC directive, Article 10 (1), from:

> Siemens AG
> Bereich Automation & Drives
> A&D AS E4
> Ms. Zisler
> Postfach 1963
> D-92209 Amberg
> Tel.:   09621 80 3283
> Fax: 09621 80 3278

Observing the Setup Guidelines

The setup guidelines and notes on safety given in the manual must be observed on startup and during operation.

ISO 9001 Certificate

The quality assurance system for the whole product process (development, production, and marketing) fulfills the requirements of ISO 9001 (corresponds to EN29001: 1987).

This has been certified by the German society for the certification of quality management systems (DQS).

EQ-Net certificate no.: 1323-01

Software License Agreement

The PG 740 PII is shipped with the software already installed. Please observe the relevant license agreements.

Product Information

All the important information required to start up and install your software can be found in the enclosed Product Information.

Certification for the USA and Canada

UL/CSA Certification

Important for the USA and Canada:

One of the following markings on a device is indicative of the corresponding approval:

(UL)	Unterwriters Laboratories (UL) to the UL 1950 standard.
c(UL)	Unterwriters Laboratories (UL) to Canadian standard C22.2 No. 950.
c(UL)US	Underwriters Laboratories (UL) to Standard UL 1950, Report E11 5352 and Canadian Standard C22.2 No. 950.
R(U)	UL Recognition Mark
(SA)	Canadian Standard Association (CSA) to standard C22.2 No. 950.
(SA)NRTL	Canadian Standard Association (CSA) to American standard UL 1950.

Options

Hardware Expansion

You can add to the functionality of your PG 740 PII by expanding the configuration of the hardware to fit your individual requirements. The following table shows the options offered by Siemens. Please contact your Siemens sales representative for further options.

| Option	Order Number
Memory expansion 64 Mbyte	6ES7 791-0FR00-0XA0
Memory expansion 128 Mbyte DIMM	6ES7 791-0GS00-0XA0
MPI connecting cable for 12 Mbps	6ES7 901-4BD00-0XA0

⚠ **Caution**

Risk of damage!

The electronic components of the printed-circuit boards are highly sensitive to electrostatic discharge. When handling the boards or cards, you must follow the guidelines for electrostatically sensitive components (ESD guidelines at the end of the manual), otherwise the module or device may be damaged.

SIMATIC Customer Support Hotline for the PG 740 PII

SIMATIC Customer Support Hotline

Open round the clock, world-wide:

Simatic Basic Hotline
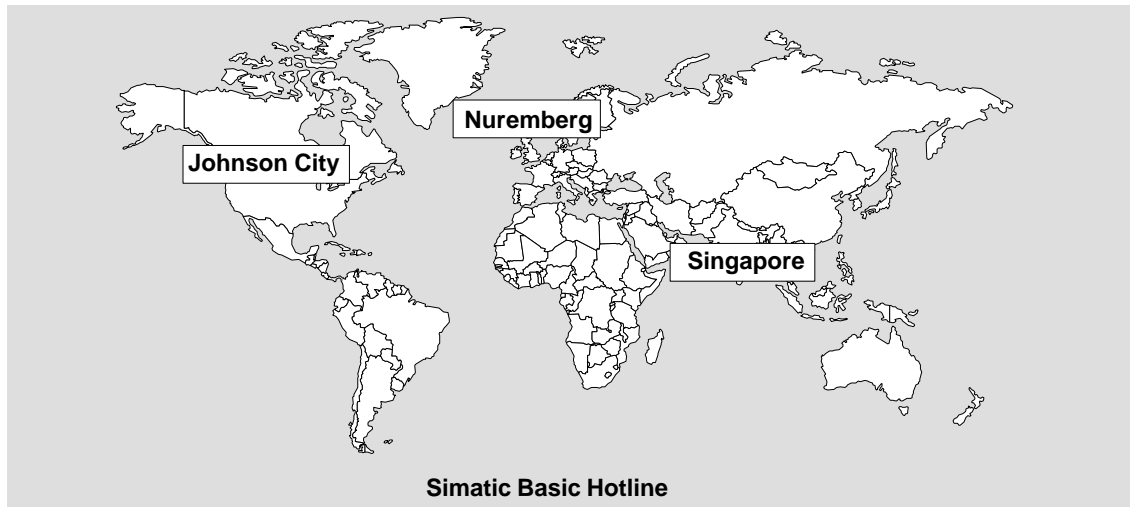
Nuremberg

SIMATIC BASIC Hotline
Local time: Mo.-Fr. 8:00 to 18:00

Phone:	+49 (911) 895-7000
Fax:	+49 (911) 895-7002
E-Mail:	simatic.support@
	nbgm.siemens.de
GMT:	+1:00

SIMATIC Premium Hotline
(Calls charged, only with
SIMATIC Card)

Time:	Mo.-Fr. 0:00 to 24:00
Phone:	+49 (911) 895-7777
Fax:	+49 (911) 895-7001
GMT	+01:00

Johnson City

SIMATIC BASIC Hotline
Local time: Mo.-Fr. 8:00 to 17:00

Phone:	+1 423 461-2522
Fax:	+1 423 461-2231
E-Mail:	simatic.hotline@
	sea.siemens.com
GMT:	–5:00

Singapore

SIMATIC BASIC Hotline
Local time: Mo.-Fr. 8:30 to 17:30

Phone:	+65 740-7000
Fax:	+65 740-7001
E-Mail:	simatic@
	singnet.com.sg
GMT	+8:00

SIMATIC Customer Support Online Services

The SIMATIC Customer Support team offers you substantial additional information about SIMATIC products via its online services:

- General current information can be obtained from:
  - the **Internet** under `http://www.ad.siemens.de/simatic`
  - the **Fax-Polling** number 08765-93 02 77 95 00
- Current product information leaflets and downloads which you may find useful are available:
  - on the **Internet** under
    `http://www.ad.siemens.de/support/html_00/`
  - via the **Bulletin Board System** (BBS) in Nuremberg (*SIMATIC Customer Support Mailbox)* under the number +49 (911) 895-7100.

    To access the mailbox, use a modem with up to V.34 (28.8 Kbps) with parameters set as follows: 8, N, 1, ANSI; or dial in via ISDN (x.75, 64 Kbps).

Regional Repair Centers

SIMATIC Hotline		
If problems occur, the SIMATIC Hotline should be able to help.		
Siemens AG		
AUT 1 CS		
Gleiwitzerstr. 555		
D-90475 Nürnberg-Moorenbrunn		
Telefon: (49)911-895-7000		
Fax: (49)911-895-7001		
(49)911-895-7002		

Region	PG Repair Center	Phone
Augsburg	ATD TD ABG 6	(0821) 3252 599
Berlin	ATD TD BLN 5	(030) 386 34926
Bielefeld	ATD TD	(0521) 291 323
Bremen	ANL TD 47	(0421) 364 2996
Chemnitz	A&D B 14	(0371) 475 3860
Erlangen	ATD TD 3 LSE-ITC	(09131) 7 32714
Erlangen	ATD TD 3 LSE-RC	(09131) 7 31048
Essen	ATD TDE	(0201) 816 1580
Frankfurt	ANL TD 84	(069) 797 7358
Fürth	A&D SE B 9.1	(0911) 750 2741
Hamburg	ANL TD FSZ	(040) 2889 4230
Hanover	ANL TD HVR 1	(0511) 877 2241
Karlsruhe	A&D AS EWK PLZ 52	(0721) 595 4183
Kassel	ATD TD	(0561) 7886 434
Cologne	ATD TD SSH 5	(0221) 576 6516
Langen	ATD TD E	(069) 797 5608
Leipzig	ATD TD 31	(0341) 210 2049
Mannheim	ATD TD 9	(0621) 456 1328
Munich	ATD TD MCH 53	(089) 9221 6213
Nuremberg	ATD TD S 1	(0911) 654 6117
Saarbrücken	ATD TD 3	(0681) 386 2598
Stuttgart Weilimdorf	ATD TD SDW 5	(0711) 137 6228

Country	PG Repair Center	Phone
Argentina	WA. SERVICE	0054 1 738 7333
Australia	Technical Service	0061 3 9420 72 74
Austria	SERVICE SHOP	0043 1 1707 23729
Belgium	ES 1-4-5/AQ (15/+0)	0032 2 536 2905
Brazil	STI A 43 E	0055 11 7947 1999
China	AUT 1 Customer Support	0086 10 643 61888 3371
Denmark	GR.319-ET	0045 7640 5151
England	Control Systems (Repair Centre)	0044 161 446 5760
Finland	TTR 3/Automaatiohuolto	+358051 3835
France	M.et S/SER	0033 1 4922 3160
India	AUT 1 Quality Control	0091 253 381462
Italy	SERVICE T 47 A	0039 2 6676 3490
Mexico	EA-ST Servicios Tecnicos	0052 5 328 2078
Netherlands	FS-REP B 3.0.24	0031 70 333 3858
Poland	Bioro Automatyki	0048 22 670 91 66
Portugal	DE/AT	00351 1 7573234
Singapore	ATD Technical Service	0065 740 7150
South Africa	FSPC	0027 11 407 4838
Spain	ST4/EIA	0034 1 754 5406
Sweden	TT-Service	0046 8 728 14 62
Switzerland	TDS 2	0041 1 749 1304
USA	REPAIR CENTER	001 423 461 2497

In countries not listed above, please contact your local service representative. He will arrange for your repairs to be carried out.