

MR Patient Care Portal Model 5000

Technical Data Sheet

866162



The MR Patient Care Portal 5000 is a remote display and controller for use with the wireless Philips Expression Model MR400 MRI Patient Monitoring System or Philips Expression MR200 MRI Patient Monitoring System. The MR Patient Care Portal 5000 is for use from the control room, induction, or recovery areas to provide clinicians an enhanced monitoring, case management and connectivity experience. The MR Patient Care Portal 5000 is not for use in the MR scanning room.

The MR Patient Care Portal 5000 consists of three primary components:

- Desktop Unit
- Touch Screen Display Monitor
- Radio and Cradle module

Features and Benefits

- Philips introduces FirstSight; an exclusive design concept that integrates advanced visual perception principles and decision-making tools within Philips MR Patient Care user interfaces to provide familiarity, clarity, and intelligence within the MR suite.
- Wireless communication with MRI patient monitoring systems
- Case management for clinical ease of use and efficiency
- Ultimate MRI patient monitor connectivity experience for electronic patient-record keeping, using HL7 and RS232 data output

Optional Components

- Strip-chart printer
- Wireless barcode scanner
- Wireless keyboard and mouse
- Control room flex antenna
- Wall arm and optional arm for strip-chart printer

Ordering Information

Standard Features 866162

Touch-screen display, Radio module, HL7 and RS232 data output.

Options

A01 - Standard Accessories including Base User Guide, Quick Reference Guide, Integration Guide, Cable Management.

A03: Strip Chart Printer and printer power kit. Includes printer, power cable, USB interface cable, and one roll printer paper.

A04: Wireless barcode scanner and base.

A05: Wireless keyboard and mouse with batteries.

A06: Flex Antenna.

H01: MR Patient Care Portal 5000 desktop unit only. Includes power adapter and power cord.

H02: 18.5 inch touchscreen display with power adapter, power cord, USB and Display Port Cables.

S01: Option to interface to MR Patient Care Monitors, includes Software license, Radio Kit, Radio Cradle, Monitor Option User Guide.

Wall Mounts 867363

Hardware to mount the 866162 system on the wall.

M01 Hardware to mount the MR Patient Care Portal 5000 to a wall. Includes a desktop unit wall mount, power supply mounts, display arm, and wall channel.

M02: Hardware to mount the MR Patient Care Portal 5000 and printer to a wall. Includes a desktop unit wall mount, power supply mounts, display arm, printer arm, and wall channel.

Main Components

Desktop Unit

Physical Specifications:

- Width: 7.5 inches (19.06 cm)
- Height: 2.98 inches (7.57 cm)
- Weight: 1.94 pounds (0.88 kg)
- Depth: 7.0 inches (17.87 cm)

Electrical Specifications:

Power requirements:

- **Operating voltage range (input):** 100 -240 VAC
- **Frequency:** 50/60 Hz
- **Current:** 0.57 A @ 115VAC
- **Operating voltage:** 12VDC @ 3A

Maximum power consumption: 68 W

Audio: Speakers (1)

Supported Input/Output Ports:

- **Ethernet:** Two, (second port is disabled)
- **Serial:** One
- **USB 2.0:** Six
- **Mounting Standard:** VESA standard 75 bolt pattern in a 75 mm orthogonal square

Touch Screen Display

Type: Color 1920 (H) x 1080 (V) pixels, Projected Capacitive Touch Panel

Physical Specifications:

- **Width:** 18.3 inches (46.6 cm)
- **Height:**
 - with stand: 14.2 inches (36.1 cm)
 - without stand: 11.3 inches (28.7 cm)
- **Depth:**
 - with stand: 6.9 inches (17.5 cm)
 - without stand: 2.3 inches (5.9 cm)
- **Weight:**
 - with stand: 14.1 pounds (6.4 kg)
 - without stand: 9.9 pounds (4.5 kg)

Electrical Rating: 4.5 Vdc, 4.5 A

Screen size: 18.3 inches (46.6 cm), diagonally

Color depth: ≥ 8 bits per primary color

Aspect ratio: 16:9 width to height

Refresh rate: ≥ 60 Hz

Minimum brightness: ≥ 300 cd/m²

Sweep speed:

- For ECG and SpO₂, 25 mm/s gives ~10.6 seconds of display time, while 50 mm/s gives ~5.3 seconds.
- For respiration, 0.33, 1.56, 3.125, 6.25, 12.5 or 25 mm/s.

Waveform display mode: Fixed trace, moving erase bar.

User data: Informational, Patient identification, Vital signs trace, Vital signs numeric, System status.

Mounting Standard: VESA standard 100 bolt pattern, four M4 x 10 threaded holes in a 100 mm orthogonal square.

Radio and Cradle

Physical Specifications:

Radio	Cradle
• Width: 2.4 inches (6.1 cm)	2.7 inches (6.8 cm)
• Height: 10.1 inches (25.6 cm)	3 inches (7.6 cm)
• Depth: 0.98 inches (2.49 cm)	2.8 inches (7.1 cm)
• Weight: .26 pounds (.12 kg)	.97 pounds (.44 kg)

Radio Specifications:

Frequency Range: 2402-2470 MHz

Transceiver Type: Frequency Hopping Spread Spectrum (75 Channels)

Modulation Type: GFSK

Number of Networks: MR400 - 10; MR200 - 5

Maximum Power Level:

- System to MR200 (19.63 dBm)
- System to MR400 (19.92 dBm)

Application Features

Alarms

- High, medium and low alarm priorities when connected to the Expression Model MR400 MRI Patient Monitoring System
- Single alarm severity (high priority) when connected to the Expression MR200 MRI Patient Monitoring System
- Visual alarm indicators, flashing numeric panes, messages and icons
- Audible alarms, user-configurable for volume, tone, silence and pause
- Configurable limits and Calculate Alarms function allows fast limit selections

Supported Peripherals

- USB strip-chart printer
- Wireless barcode scanner
- Wireless keyboard and mouse
- USB drive (<4 GB)

Specifications

Safety Standards

- Conforms to CAN/CSA C22.2 No. 60601-1-14 and ANSI/AAMI ES60601-1, including all national differences.

- Complies with IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, IEC 60601-1-8, and where applicable, IEC 60601-1-9, IEC 60601-2-27, IEC 60601-2-34, IEC 60601-2-49, IEC 80601-2-30, ISO 80601-2-55, ISO 80601-2-56 and ISO 80601-2-61

System Environmental Specifications

Operating temperature range: 15°C to 35°C (59°F to 95°F)

Operating relative humidity range: 10% to 80%, non-condensing

Transport and storage temperature range: -10°C to 60°C (14°F to 140°F)

Transport and storage humidity range: 5% to 80%, non-condensing

Operating altitude range: 70 to 101 kPa (525 to 757 mmHg)

Transport and storage atmospheric pressure range: 54 to 101 kPa (405 to 757 mmHg)

Accessories

- 453564792561 – Desktop Unit
- 989803204941 – Display, 18.5 inch
- 453564865471 – Power Adapter, Display 18.5, RoHS
- 989803205741 – Power Adapter, Desktop
- 989803205001 – Radio Kit, USB
- 989803204881 – Cradle, Radio
- 453564892281 – Antenna, Modified HE61 NH, RoHS
- 989803176511 – Control Room Flex Antenna
- 989803206531 – Control Room Flex Antenna, R.E.D.
- 989803176521 – Advanced Communications Option
- 989803192381 – Bar Code Scanner, Wireless MRI
- 989803178091 – Keyboard and Mouse, Wireless
- 989803205011 – Thermal Printer Kit, USB
- 453564837621 – Printer Power Kit
- 989803152911 – Paper, Therm Array Printer (10PK)
- 989803152951 – Wall Channel, Polymount, 19
- 989803179291 – Wall Arm, 16
- 989803204921 – Mount, Remote Desktop Wall
- 989803181941 – Arm Extension, Strip Chart Printer
- 453564658751 – USB Flash Drive, Partitioned
- 989803168211 – North American Line Cord
- 989803173901 – Brazilian Power Cord, 3 meter
- 989803174171 – UK Line Cord, 3 meter
- 453564177501 – European Line Cord
- 989803181291 – Power cord, AUS/NZL, 3 meter
- 989803181321 – Power cord, S Africa, 3 meter
- 989803181331 – Power Cord, Danish, 3 meter
- 989803181341 – Power Cord, Israeli, 3 meter
- 989803181351 – Power Cord, Argentina, 3 meter
- 989803181361 – Power Cord, Swiss, 3 meter

User Guides

Language	Base User Guide	Monitoring Option User Guide	Integration Guide
Albanian	989803206371	989803206391	453564896661
Bulgarian	989803200351	989803200711	453564884601
Chinese, Traditional	989803200611	989803200971	453564884851
Czech	989803200371	989803200731	453564884621
Danish*	989803200381	989803200741	453564884631
Dutch *	989803200391	989803200751	453564884641
English*	989803200401	989803200761	453564728871
Estonian	989803200411	989803200771	453564884651
Finnish*	989803200421	989803200781	453564884661
French*	989803200431	989803200791	453564884671
German*	989803200441	989803200801	453564884681
Indonesian	989803200331	989803200691	453564884581
Italian*	989803200461	989803200821	453564884701
Japanese	989803200471	989803200831	453564884711
Korean	989803200491	989803200851	453564884731
Latvian	989803200501	989803200861	453564884741
Norwegian	989803200521	989803200881	453564884761
Polish	989803200531	989803200891	453564884771
Portuguese, Brazilian*	989803200341	989803200701	453564884591
Portuguese, Portugal	989803206381	989803206401	453564896671
Romanian	989803200541	989803200901	453564884781
Russian	989803200551	989803200911	453564884791
Slovak	989803200571	989803200931	453564884811
Spanish*	989803200591	989803200951	453564884831
Swedish*	989803200601	989803200961	453564884841
Turkish	989803200621	989803200981	453564884861
Vietnamese	989803200631	989803200991	453564884871

* - User interface software also translated in these languages

Miscellaneous - Service Manual: 989803200641

For more information about the Philips MR Patient Care Portal 5000 or any of our complete solution products, please contact us. We are glad to hear from you.

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Websites

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