

HERCULES Mobile (HH)

MH67 Series

Rev1/3

The **HERCULES Mobile HH (Medical)** is a portable, battery-powered, high tech modular medicine-PC, which is characterised by its complete sealed housing (IP65). Therefore the IPC is desinfectable and washable and it applies in e.g. in the OP -, air-lock area and pure spaces as well as with the "mobil-visit" direct at the patients bed. Also it can be used in ambulances or medical-helicopters. A further special feature is its fanless operation, which enables it to use it in noise sensitive environment e.g. patients - rooms. The **HERCULES Mobile HH (Medical)** has a touchscreen for the input of data, which operates also with gloves. Alternatively inputs are possible with keyboard or mouse.

The **HERCULES Mobile HH (Medical)** corresponds to the certification of EN60601-1 and EN60601-1-2. It easily can be configured to meet the customers needs. Type and capacity of processor up to **Pentium M**, size of RAM and harddisk type. According to standard it has USB, optional Ethernet (IEEE 802.11b or g Wireless Lan), one serial interface, PS/2 connectors for keyboard and mouse, two free PCMCIA slots and connectors for external floppy and CD/DVD drive.

Optional a Docking-Station is available.

All this features distinguish the **HERCULES Mobile HH (Medical)** for "front-end" use in the medical area.





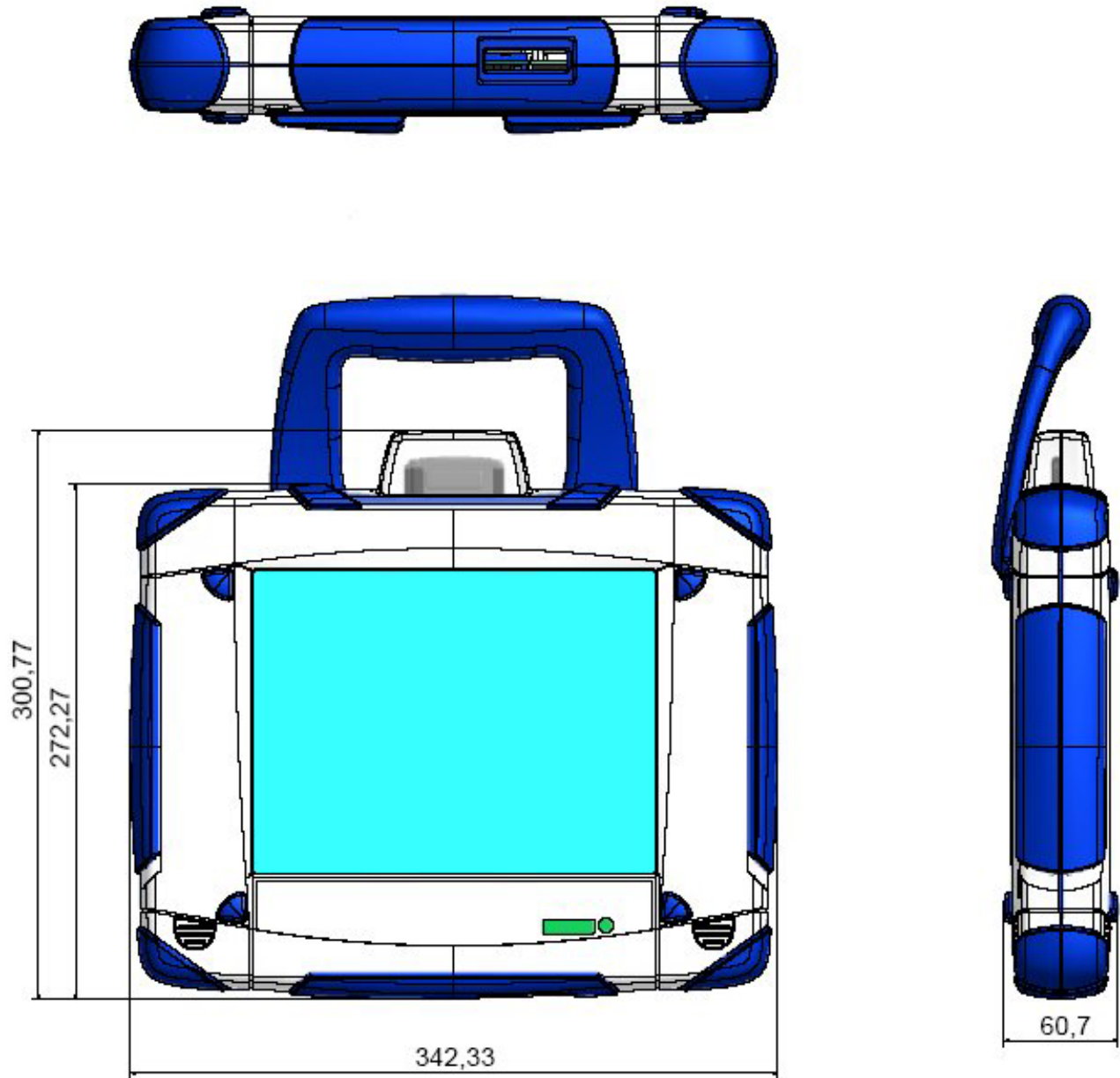
Technical Details MH67 Series

Systemdatas	Processor	Intel Celeron-M 600MHz	Intel Pentium M 1.1GHz
	FSB	400MHz	400Mhz
	Chipsatz	Intel 855 GME	Intel 855 GME
	RAM	max. 1GB DDR-SDRAM SO-DIMM	max. 1GB DDR-SDRAM SO-DIMM
	Cache	512kB 2 ² Level	1MB 2 ² Level
	Video Controller	Intel Extreme Graphics 2 with true 2D and 3D acceleration Dual Channel LVDS	Intel Extreme Graphics 2 with true 2D and 3D acceleration Dual Channel LVDS
	Video RAM	max. 32MB (UMA)	max. 32MB (UMA)
	max. resolution LCD	1600 x 1200	1600 x 1200
	max. resolution CRT	2048 x 1536	2048 x 1536
	Network-Controller	Intel 82562	Intel 82562
	Audio Controller	VIA VT1612A, Soundblaster compatible	VIA VT1612A, Soundblaster compatible
	Operating-Systems	Windows 98, Windows 2000, Windows XP, Windows NT, Linux, XP Embedded, Linux	Windows 98, Windows 2000, Windows XP, Windows NT, Linux, XP Embedded, Linux
	Displays	integrated high brightness Color-TFT LCD with wide viewing angle	10,4" XGA Version: 1024 x 768 Pixel resolution, 256k colors 150Cd, contrast ratio 250:1
OPTION		reflective 10,4" XGA Version: 1024 x 768 Pixel resolution, 256k Colors daylight suitable	reflective 10,4" XGA Version: 1024 x 768 Pixel resolution, 256k Colors daylight suitable
Touchpanel		analoge resistive Touchpanel with extended transparency (>80%), surface hard coated against abrasion	analoge resistive Touchpanel with extended transparency (>80%), surface hard coated against abrasion
	Touchcontroller	onboard	onboard
Mass Storage	Harddisk	2,5" Harddisk (up to 40 GB) (-25° to +85°C operating temperature)	2,5" Harddisk (up to 40 GB) (-25° to +85°C operating temperature)
	CF-Card	up to 4GB	up to 4GB
	2,5" IDE Flashdisk	up to 4GB	up to 4GB
	Floppy-Drive	external on USB-Interface	external on USB-Interface
	CD/DVD-Drive	external on USB-Interface	external on USB-Interface
	CD- or DVD Burner other storage medias (CF, SD, MMC, ...)	external on USB-Interface optional on PC-Card Slot (2x Typ II), with adapters	external on USB-Interface optional on PC-Card Slot (2x Typ II), with adapters
Interfaces	COM Ports	1x RS232, optional +5V or +12V at pin 9 available for Laser-/Barcodescanner-connection	1x RS232, optional +5V or +12V at pin 9 available for Laser-/Barcodescanner-connection
	USB Ports	2x USB 2.0	2x USB 2.0
	Keyboard/Mouse	combined PS/2 connector (Y-cable will be delivered with)	combined PS/2 connector (Y-cable will be delivered with)
	Dockingconnector	VGA, USB 2.0, power, network, COM1	VGA, USB 2.0, power, network, COM1
Network	RJ45 (via Dockingstation)	10/100base-T Ethernet on board	10/100base-T Ethernet on board
	WLAN (IEEE 802.11b or .11g)	with PC-Card WLAN Adapter	with PC-Card WLAN Adapter
Slots	Cardbus	Cardbus slot 2x Typ II	Cardbus slot 2x Typ II

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Mediainterface	MIC-In	Mic-In for Mikrophone connection (e.g. Headset)	Mic-In for Mikrophone connection (e.g. Headset)
	Line Out Speakers Amplifier	Line Out for external speakers integrated speakers with appr. 50dBA (in 1m distance) integrated stereoamplifier with 2W	Line Out for external speakers integrated speakers with appr. 50dBA (in 1m distance) integrated stereoamplifier with 2W
Power Supply		integrated power supply with load regulation for Li-On Battery, ACPI support	integrated power supply with load regulation for Li-On Battery, ACPI support
	110/240VAc 50/60Hz	with 19Vdc desktop power supply	with 19Vdc desktop power supply
	9-56Vdc (for fork lifts, cars, trucks, ...) Battery (Li-Ionen)	external DC-adapter with high voltage protection two battery packs with 26Wh capacity each for appr. 4h operation time	external DC-adapter with high voltage protection two battery packs with 26Wh capacity each for appr. 4h operation time
Foilkeyboard	Systemkeys	On-/Off-key	On-/Off-key
	Systemindicators	Touchpanel on/off (with LED) Shift-Key for Tastatur (with LED) warning light on/off Power On (blue) Touchpanel on/off (blue) Harddisk-access (green) Shiftkey for Keyboard (orange) power line (Line, yellow) left and right battery empty (yellow) whole capacity indicator (green, green, yellow, red)	Touchpanel on/off (with LED) Shift-Key for Tastatur (with LED) warning light on/off Power On (blue) Touchpanel on/off (blue) Harddisk-access (green) Shiftkey for Keyboard (orange) power line (Line, yellow) left and right battery empty (yellow) whole capacity indicator (green, green, yellow, red)
	Keyboard Keys	12 keys on two levels (24 keys total)	12 keys on two levels (24 keys total)
Housing	Device	fail-safe and high impact strength plastics with Silicone buffers all-side	fail-safe and high impact strength plastics with Silicone buffers all-side
	Mounting	with four screw threads (M5), VESA75, on backside	with four screw threads (M5), VESA75, on backside
	Size	343 x 273 x 61 mm	343 x 273 x 61 mm
	Weight	appr. 3,0kg	appr. 3,0kg
Environment conditions	Operating-Temperature	-10°C to +40°C	-10°C to +40°C
	Storage-Temperatur	-10°C to +60°C	-10°C to +60°C
	Humidity (Operating) Humidity (Storage)	10% to 90% relative humidity (not condensing) 5% to 95% relative humidity (not condensing)	10% to 90% relative humidity (not condensing) 5% to 95% relative humidity (not condensing)
Certificates		CE Certificate of Conformity	CE Certificate of Conformity
	proofed on: Medical Directive 93/42/EEC	EN60601-1 (1990) + A1 (1993) + A2 (1995) + A12 (1993) + A13 (1996) + Cirrigenda (July 1994), IEC 60601-1 (2 ed 1988) + Amend. 1 (1991) + Amend. 2 (1995) + Corrigendum (1995) EN60601-1-2 /1993 EN61000-3-2 /1995 /A1: 1998 /A2: 1998 EN61000-3-3 /1995	EN60601-1 (1990) + A1 (1993) + A2 (1995) + A12 (1993) + A13 (1996) + Cirrigenda (July 1994), IEC 60601-1 (2 ed 1988) + Amend. 1 (1991) + Amend. 2 (1995) + Corrigendum (1995) EN60601-1-2 /1993 EN61000-3-2 /1995 /A1: 1998 /A2: 1998 EN61000-3-3 /1995

Sizes MH67 Series



all sizes in mm