

MeDiSol

VIEWMEDIC VARIO CONCEPT



WITH INTEL CORE DUO PROCESSOR

*HYGIENIC PANEL-PC
ALL AROUND IP65 PROTECTION
FANLESS COOLING
HIGH PERFORMANCE
HIGH LIABILITY*



THE NEW VARIO C MODELS IN THE VARIO-CONCEPT

VARIABLE EQUIPMENT

We developed the VARIO CONCEPT for sensitive medical areas such as operating theatres and intensive care wards. The experience and wishes of our users have also had an input on the creation of these products. The result is a series of units that are versatile, compact, light and highly combinable.

This VARIOs are PC solutions with Intel's® Core DUO processors, and can be used in therapeutic, diagnostic or nursing areas. If you require a monitor without a computer but with many different connection options, then a VARIO D (Display) is the right choice for you.

The holistically designed concept offers interesting possibilities for combining several VARIOs. On a VARIO 219 C, for instance, you can operate a VARIO 21 D as a second screen.

COOLING AND POWER SUPPLY

The use of modern technologies enables a high performance despite low heat generation and power consumption. The heat generated by the processor and the graphics chip is evenly dissipated over the entire housing via thermal conduction systems.

VARIOs can be operated on an external or an internal power supply, a factor which also facilitates their operation on ceiling supply units.

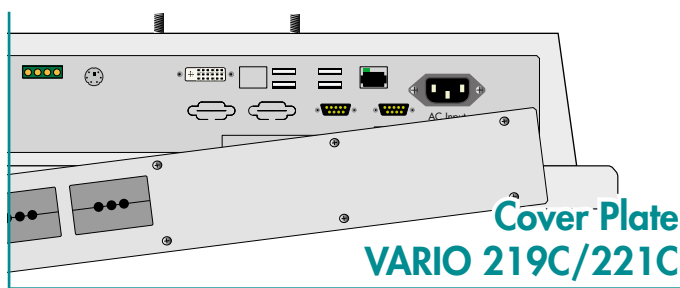
VARIO WITH INTEL CORE DUO PC-SYSTEM

POWERFUL AND FLEXIBLE

Inside the VARIOs 219C and 221C there are powerful PC systems with Intel Core Duo processor. The flexible equipment options for the user memory and hard disk enables you to tailor each VARIO to suit your requirements. Also a RAID 0 or 1 volume can be provided if an additional HDD is installed.

A vacant PCI slot can be used for expansion cards (e.g. additional graphics cards for two-screen operation, Framegrabber cards, fibre-glass LAN cards). An optical drive is also available as an optional extra.

The various installations of operating systems and other software as well as complex configurations allow our technology to be set up to suit your requirements.



HYGIENE AND SAFETY

The IP65 protected housing is dustproof and water-jet proof, and therefore easy to disinfect all over. The smooth, sealed surface of the germicidal nano-paint provides better hygienic properties than open-pored powder coatings. Thanks to its front mounted protection screen, the VARIO is easy to clean. A hollowed-out grip on the bottom edge allows safe and secure handling.

IP	First digit indicates protection against solids	IP	Second digit indicates protection against liquids
0	No protection against contact with solids or foreign bodies	0	No protection against liquids
1	Protection against foreign bodies with diameters >50mm	1	Protection against vertically falling water drops
2	Protection against foreign bodies with diameters >12mm	2	Protection against drops falling at an angle of 15° to the vertical
3	Protection against foreign bodies with diameters >2.5mm	3	Protection against spray water at an angle of 60° to the vertical
4	Protection against foreign bodies with diameters >1mm	4	Protected against splash water
5	Completely dust proof, protection against deposits of dust inside	5	Protected against water jets (from all directions)
6	Completely dust tight, protection against ingress of dust	6	Protected against the ingress of water upon temporary flooding

SILENT AND INSTALLATION FRIENDLY

The technical construction of the VARIOs has been designed to allow them to completely do away with the use of cooling fans. This makes the units virtually noiseless, and makes them the ideal systems for use in the close vicinity of patients, e.g. in operating theatres, pre-op and post-op rooms, anaesthetic room, recovery room, intensive care or recovery wards. All the usual PC connections are easily accessible behind a screw-mounted cover plate on the underside. After installation, the cover can be tightly resealed. The cable grommets on the bottom of the housing are dustproof and waterproof to IP65. An IP65 rated cable grommet is optionally available.

INTERACTIVITY

To enable innovative software products to be operated with your finger tips, this VARIOs can be upgraded with resistive Touch Screen technology. The sensor technology is laminated onto the glass and is highly robust. The touch screen surface has a permeability to light of over 80%.

Resistive Touch Screen technology is the right choice for use in hospitals because it can also be used when wearing surgical gloves. The Touch Screen option is currently available for VARIOs in 19" and 21" sizes.

TECHNICAL DETAILS

VIEWMEDIC



VARIO 219C

VARIO 221C

<i>Application</i>	Medical Viewing Station with integrated PC-System	
<i>Chipset</i>	Intel® 945 GM + ICH7-MDH	
<i>CPU</i>	Intel Core DUO L2400 Prozessor	
<i>RAM</i>	1024 MB Dual-Channel DDR2-667 (up to 3GB)	
<i>Hard Disk Drive</i>	80 GB S-ATA, 5400 rpm, 8 MB Cache,	
<i>Optical Disk Drive</i>	Option	
<i>LAN Network</i>	1 x Intel® 82573L 10/100/1000 Mbit	
<i>VGA Graphics</i>	Intel® Generation 3.5 Integrated Graphics, 250 MHz 2D and 3D Graphics Core, up to 224 MB Memory, 400 MHz RAMDAC, (GMA950)	
<i>Interfaces</i>	2 x serial (RS-232), 4 x (6x optional) USB 2.0, 1 x PS/2-Combi	
<i>Output for 2nd. Display</i>	DVI (allows to add a second display, for example a VARIO display with this VARIO)	
<i>Display Size</i>	19" (48 cm) color LCD-TFT	21.3" (54 cm) color LCD-TFT
<i>Brightness</i>	300 cd/m ²	300 cd/m ²
<i>Contrast Ratio</i>	1300:1	1000:1
<i>Viewing Angle</i>	h: 178° / v: 178°	h: 178° / v: 178°
<i>Resolution (native)</i>	1280 x 1024	1600 x 1200
<i>Response Time</i>	16 ms	16 ms
<i>Backlight Type</i>	CCFL	
<i>Number of Colors/Grayscale</i>	16,7 Millionen / 256	
<i>Power Consumption</i>	ca. 50 W (to be approved)	ca. 60 W (to be approved)
<i>Power Supply</i>	alternating to demands: AC 110 -240 V, 50/60 Hz single phase (internal) or 12V DC Power Supply (external)	
<i>Weight</i>	app. 11,2 kg	app. 13,2 kg
<i>Physical Dimensions</i>	446 x 392 x 119 mm	502 x 424 x 126 mm
<i>IP Protection Class</i>	IP65	
<i>VESA</i>	VESA 100 mm (Stand available as an optional)	
<i>Safety, Approvals</i>	CE, EN 60601-1, EN 60601-1-2	
<i>Warranty (Bring-In)</i>	24 month with Bring-In-Service	

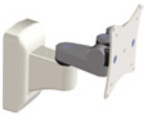
OPTIONS

<i>Stand</i>	Stand is available as an option for all VARIO models
<i>Mounting Solutions</i>	Mounting solutions for desktop, wall and ceiling available
<i>Input Devices</i>	Different input devices (mice & keyboard) available, also with IP65 or IP68 protection
<i>Isolated LAN</i>	RS232 and RJ45 (LAN 10/100) available as galvanically isolated interfaces
<i>WLAN</i>	WLAN-Module and antenna
<i>RAM</i>	Upgradeable up to 3 GB RAM
<i>HDD and RAID</i>	Optional additional HDD, incl. RAID-Controller for RAID 0 and 1 (HDD's available up to 250 GB)
<i>24/7 HDD</i>	HDDs for 24h operation
<i>Optical Drive</i>	DVD-RW (+/-)
<i>Touch Panel</i>	Resistive touch panel for all 19" and 21" VARIOS, permeability to light of over 80%

ACCESSORIES

WALL MOUNTS

<http://www.medisol.org/en/products/accessories/mounting-solutions>



Applications of VARIOs as tabletop units are very seldom. Most of the systems are built into the wall or are hung on a ceiling supply unit.

You may use every VESA compatible mounting which is suitable for the weight of the VARIO but we recommend to solely use high quality secure solutions which approved in practise.



We offer simple mountings or height adjustable systems and of course we also offer suitable keyboard trays.

HYGIENIC KEYBOARD & MOUSE

<http://www.medisol.org/en/products/accessories/hygienic-keyboards>

Complement the hygienic VARIO panel PC with equally hygienic input devices. The MEDIGENIC keyboard is available in three different versions and in many different languages. A suitable mouse can also be obtained from us.



MAKE YOUR VARIO MOBILE

<http://www.medisol.org/en/products/point-of-care-computing>



You want to use the VARIO flexibly throughout the hospital?

It should accompany from station to station and even wireless?

This is possible with our computer cart from Flo Healthcare. More than 900 hospitals already operate the Flo carts successfully.

The perfect complement to our VARIO systems is the flo 1800 with integrated NiMH battery system and intelligent Battery PRO software.

INTEGRATED BARCODE SCANNER TC 1100

<http://www.medisol.org/en/products/viewmedic-or-solutions/add-ons-for-or-solutions>

A reasonable and very handy add-on to the VIEWMEDIC VARIO panel PC is the integrated bar code scanner. It is used for more and more daily processes in a hospital.

The integrated TC1100 scanner features with excellent reading capabilities. It can detect codes closely to the output window and in a wide reading field with enhanced depth of focus.



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