

NeptunTouch24

Splash water proof 24" Touch Panel PC for outdoor assembly



NeptunTouch24 – splash water proof touch display

With the MOStron NeptunTouch24 we have developed an outdoor touch panel PC for operation in all kinds of weather.

It is splash water proof and operates at temperatures from -20°C to +40°C. The monitor is designed for 24/7 operation, can be installed outdoors and does not necessarily need to be covered.

By the use of safety glass and a stainless steel frame the NeptunTouch24 is also protected against vandalism.

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Technical Specifications NeptuneTouch24

Display Size / Aspect Ratio	24" / 16:9
Display Resolutoin	1920 x 1080 Dots(RGB)
Colour Depth	16 Million colours
Brightness	250 cd/m ²
Backlight	Energy saving LED edge-backlight
Contrast	1000:1
Viewing Angle (horizontal/vertical) / display technology	85/85/80/80; / TN-technology Information related to landscape-mounting
Pixel error class according to EN ISO 9241-307	II (other classes on request)
Touch panel	Projective capacitive 10-finger multi touch
Power Supply	90 – 264 VAC
Power Consumption	approx. 30 W
Cooling	Fanless by heatpipe
Noise development	None
Mounting Type	Surface mounting with wall mounting plate included in the shipment.
Dimensions	approx. 364 mm (H) x 596 m (W) x 64 mm (D)
Weight	approx. 26 kg
Permissible operation temperature	+ 5° ~ + 35°C
Permissible operation humidity	0 % ~ 95% (relative humidity, without condensation)
Connections on the back of the unit	Mains plug type C13 with safety catch. Protected USB input Protected LAN input with special mating union connector.
IP-Protection Class	Complete Unit IP65
Image Sticking	In order to avoid possible image sticking (burn-in effect) on your NeptunTouch24, we recommend that you follow the instructions below: <ul style="list-style-type: none"> • Try to avoid static contents on your display (don't use it as a simple billboard). After 5 minutes any static screen content should be replaced by a moving picture for at least 10 seconds. • If possible, do not always position your logo or other repetitive contents (e.g. greeting template) in the same place. • If possible, do not always fill the background with the same colour. Plan alternating colours or pictures. Use a moving picture or pure black as a screen saver.

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Features of the Built-In Computer	
Processor Support	Intel Quad-Core Celeron-CPU J1900 basic cycle 2,0GHz, max. 2,42 GHz
Chipset	Intel SoC
System Memory	1 SO-DIMM socket for DDR3L, 1333 MHz, 4 GB
Bulk Memory	SSD as mSATA-board with 120GB
Graphics	Intel HD-Graphics
Graphic Memory	Shared Memory
BIOS	AMI-Bios with integrated LAN-Boot ROM-Image
Watchdog-Timer	Timeout-intervals from 1-255 min./sec.
System Monitoring & Management	CPU and system temperature, internal operation voltages
Operating System	Before ordering please clarify the Windows version with our sales department. Other operating systems possible on request. Attention: The maintenance and updating of the operating system are the customer's responsibility.

Safety Features NeptunTouch24	
Power Supply	Power supply 85 – 264 VAC via C13 IEC connector. Splash water resistant only in connection with a safety catch. No warranty in case of faulty installation.
USB/LAN-Inputs	IP67 closed plugs with screwable metal lids. LAN connection only with the enclosed union plug, splash water proof, no warranty in case of faulty installation.
Notes for Connection	Splash water protection only in connection with a safety catch at the mains input and when using a union plug on the LAN connection.
Casing	Stainless steel casing closed on all sides without paint coating.
Front / Protection Glass	Optically bonded display unit. Laminated safety glass pane of 5 mm thickness embedded in the housing.
Theft Protection	Lockable casing with safety lock