

PANEL PC for TCL

High-performance Industrial PC with touchscreen for eddy current testing



New dimension in eddy current testing

FOERSTER offers an optimal solution for your TCL testing system with the Panel PC – powerful, reliable, and perfectly tailored to the TCL testing software. For seamless integration into your automation environment, Digital I/O or Industrial Ethernet are available. Installation is easy and flexible thanks to the VESA standard (100 \times 100). FOERSTER also offers optional accessories, including a mounting frame for a 19" cabinet, a pedestal for stable placement, or a support arm for flexible positioning within the mechanics. The TCL connects to the Panel PC via Ethernet and can be individually positioned, for example, directly at the sensor. Rely on high performance and perfect compatibility – with the FOERSTER Panel PC for your TCL testing system.

Highlights

- Space-Saving Design Compact all-in-one solution for operation and visualization.
- Robust Construction Resistant to dust, dirt, and vibrations.
- Easy Operation Intuitive touchscreen control for quick and efficient handling.
- High Compatibility Supports various interfaces (Digital I/O, Industrial Ethernet).
- Flexible Mounting Installation via VESA standard.
- Reliable Performance Optimized for industrial applications with durable hardware.

Technical data

Storage 2.5" SATA (256 GB SSD)	Product features	Panel PC
Max. Resolution 1920 × 1080 (16:9) Brightness 450 cd/m² Touchscreen Multi-point, capacitive CPU Intel® Core™ i9/i7/i5/i3 Memory 8 GB DDR4 (fmax. 64 GB) Storage 2.5° SATA (256 GB SSD) Operating System Win 10 Enterprise IoT LTSC 2021 PLC interfaces Digital I/O, Industrial Ethernet, Remote 1 × HDMI 2.0 2 × LAN (2.5 GbE RJ45) 2 × USB 3.2 Gen1 (Type-A) 2 × USB 3.2 Gen2 (Type-A) (10Gb/s) 1 × R5-232/422/485 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply -Input: 100 V ~ 240 V AC, 47 Hz - 63 Hz - Output (max): 3.3 V (0 6 A, 5 V (0 12 A, 12 V (0 17 A, -12 V (0 0.5 A, +5 Vsb (0 2 A)) Operating Temperature (with air flow) -10°C - 60°C Storage Temperature -20°C - 60°C Humidity 10% - 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency	Dimensions (H × W × D)	400,70 mm × 253,90 mm × 86,45 mm
### Brightness 450 cd/m² Touchscreen	LCD-Size	15,6" (diagonal screen size)
Touchscreen CPU Intel® Core™ i9/i7/i5/i3 Memory 8 GB DDR4 (max. 64 GB) Storage 2.5" SATA (256 GB SSD) Operating System Win 10 Enterprise IoT LTSC 2021 PLC interfaces Digital I/O, Industrial Ethernet, Remote 1 × HDMI 2.0 2 × LAN (2.5 GbE RJ45) 2 × USB 2.0 (Type-A) 2 × USB 3.2 Gen1 (Type-A) (10Gb/s) 1 × RS-232/422/485 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V − 240 V AC, 47 Hz − 63 Hz - Output (max): 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 V sb @ 2 A Operating Temperature Humidity Protection Rating Protection Rating IP65 compliant fron panet, Overall IP20 Safety and EMC Erp 2009/125/EG	Max. Resolution	1920 × 1080 (16:9)
CPU Intel® Core™ i9/i7/i5/i3 Memory 8 GB DDR4 (max. 64 GB) Storage 2.5" SATA (256 GB SSD) Operating System Win 10 Enterprise loT LTSC 2021 PLC interfaces Digital I/O, Industrial Ethernet, Remote 1 × HDMI 2.0 2 × LAN (2.5 GbE RJ45) 2 × USB 2.0 (Type-A) 2 × USB 3.2 Gen1 (Type-A) [5Gb/s] 1 × RS-232/422/485 4 × RS-232 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V ~ 240 V AC, 47 Hz ~ 63 Hz - Output (max): 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C ~ 60°C Storage Temperature -20°C ~ 60°C Humidity 10% ~ 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Brightness	450 cd/m ²
Memory 8 GB DDR4 [max. 64 GB] Storage 2.5" SATA [256 GB SSD] Operating System Win 10 Enterprise IoT LTSC 2021 PLC interfaces Digital I/O, Industrial Ethernet, Remote 1 × HDMI 2.0 2 × LAN [2.5 GbE RJ45] 2 × USB 2.0 [Type-A) 2 × USB 3.2 Gen1 [Type-A] [5Gb/s] 1 × RS-232 [422/485] 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V - 240 V AC, 47 Hz - 63 Hz - Output [max]: 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C - 60°C Storage Temperature -20°C - 60°C Humidity 10% - 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Touchscreen	Multi-point, capacitive
Storage 2.5" SATA (256 GB SSD)	CPU	Intel® Core™ i9/i7/i5/i3
Operating System Win 10 Enterprise IoT LTSC 2021 PLC interfaces Digital I/O, Industrial Ethernet, Remote 1 × HDMI 2.0 2 × LAN (2.5 GbE RJ45) 2 × USB 2.0 (Type-A) 2 × USB 3.2 Gen1 (Type-A) (5Gb/s) 2 × USB 3.2 Gen2 (Type-A) (10Gb/s) 1 × RS-232/422/485 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V ~ 240 V AC, 47 Hz ~ 63 Hz - Output (max): 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C ~ 60°C Storage Temperature -20°C ~ 60°C Humidity 10% ~ 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Memory	8 GB DDR4 (max. 64 GB)
Digital I/O, Industrial Ethernet, Remote	Storage	2.5" SATA (256 GB SSD)
1 × HDMI 2.0 2 × LAN [2.5 GbE RJ45] 2 × USB 2.0 [Type-A] 2 × USB 3.2 Gen1 [Type-A] [5Gb/s] 1 × RS-232[422/485 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V ~ 240 V AC, 47 Hz - 63 Hz - Output [max]: 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C - 60°C Storage Temperature -20°C - 60°C Humidity 10% - 95% at 40°C, non-condensing Protection Rating Protection Rating Safety and EMC ErP 2009/125/EG X + DMI 2.5 GbE R J45 2 × LAN [2.5 GbE R J45] 2 × LAN [2.5 GbE R J45] 2 × LAN [2.5 GbE R J45] 2 × USB 3.2 Gen1 [Type-A] [5Gb/s] 1 × RS-232[422/485 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V ~ 240 V AC, 47 Hz - 63 Hz - Output [max]: 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C - 60°C Storage Temperature -20°C - 60°C	Operating System	Win 10 Enterprise IoT LTSC 2021
2 × LAN (2.5 GbE RJ45) 2 × USB 2.0 (Type-A) 2 × USB 3.2 Gen1 (Type-A) (5Gb/s) 2 × USB 3.2 Gen2 (Type-A) (10Gb/s) 1 × RS-232/422/485 4 × RS-232 1 × Power switch 1 × AT/ATX switch 250 W power supply - Input: 100 V ~ 240 V AC, 47 Hz - 63 Hz - Output (max): 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C - 60°C Storage Temperature -20°C - 60°C Humidity 10% - 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC Energy Efficency ErP 2009/125/EG	PLC interfaces	Digital I/O, Industrial Ethernet, Remote
Power supply - Input: 100 V ~ 240 V AC, 47 Hz - 63 Hz - Output (max): 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A, -12 V @ 0.5 A, +5 Vsb @ 2 A Operating Temperature (with air flow) -10°C - 60°C Storage Temperature -20°C - 60°C Humidity 10% - 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Interfaces	2 × LAN (2.5 GbE RJ45) 2 × USB 2.0 (Type-A) 2 × USB 3.2 Gen1 (Type-A) (5Gb/s) 2 × USB 3.2 Gen2 (Type-A) (10Gb/s) 1 × RS-232/422/485 4 × RS-232 1 × Power switch
Storage Temperature -20°C - 60°C Humidity 10% - 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Power supply	- Input: 100 V ~ 240 V AC, 47 Hz - 63 Hz - Output (max): 3.3 V @ 6 A, 5 V @ 12 A, 12 V @ 17 A,
Humidity 10% – 95% at 40°C, non-condensing Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Operating Temperature (with air flow)	-10°C - 60°C
Protection Rating IP65 compliant fron panel, Overall IP20 Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Storage Temperature	-20°C - 60°C
Safety and EMC CE, FCC Class A, UKCA Energy Efficency ErP 2009/125/EG	Humidity	10% – 95% at 40°C, non-condensing
Energy Efficency ErP 2009/125/EG	Protection Rating	IP65 compliant fron panel, Overall IP20
	Safety and EMC	CE, FCC Class A, UKCA
5.01	Energy Efficency	ErP 2009/125/EG
Weight approx. 5,8 kg	Weight	approx. 5,8 kg

foerstergroup.com



The FOERSTER Group is represented by subsidiaries and representatives in over 60 countries worldwide. You can find a complete overview on our website.

Headquarters

Institut Dr. Foerster GmbH & Co. KG $\,$

In Laisen 70 72766 Reutlingen Germany +49 7121 140 0 info@foerstergroup.com

