

Industrial Thin Clients SIMATIC ITC



SIMATIC ITC Industrial Thin Clients are powerful operating units for flexible use in distributed visualization applications. All devices are equipped with high-resolution, brilliant widescreen displays, and due to the diverse communication protocols they can be used both for challenging machine-level operator control & monitoring and for the connection to control systems, e.g. in the SCADA environment. They can be used as (additional) operator stations on a SIMATIC Industrial PC, Panel PC, or server, and on a SIMATIC Panel.

The following installation versions are available:

- SIMATIC ITC1200 – 12" Touch
- SIMATIC ITC1500 – 15" Touch
- SIMATIC ITC1900 – 19" Touch
- SIMATIC ITC2200 – 22" Touch

In addition to these devices, we continue to offer the SIMATIC Thin Client 10", SIMATIC Thin Client 15", and SIMATIC Thin Client PRO 15" for solutions in 4:3 format. These differ technically from the SIMATIC ITC. For more details, refer to the SIMATIC Thin Client chapter.

The SIMATIC HMI Thin Client Ex is available for hazardous areas. This device differs technically from the devices mentioned above. For more details, refer to the SIMATIC Thin Client EX chapter.

Design

The device has degree of protection IP65 on the front, enclosure type 4x/type 12 (indoor use only). Degree of protection IP20 is supported on the rear.

In addition, the SIMATIC ITC has the following features:

- Gbit Ethernet interface for fast networking with the server via PROFINET and Ethernet networks.
- High-resolution widescreen TFT display with 16 million colors

Resolution:

- 1280 x 800 pixels (12" and 15")
- 1366 x 768 pixels (19")
- 1920 x 1080 pixels (22")
- A mouse and keyboard as external input media or USB storage media can be operated on the two USB interfaces.
- Printer and storage media are controlled via the host device

Thin clients support automatic parameterization via DHCP. As an alternative, IP addresses can also be assigned manually.

Technical specifications

Industrial Thin Client	SIMATIC ITC1200, 12" Touch	SIMATIC ITC1500, 15" Touch	SIMATIC ITC1900, 19" Touch	SIMATIC ITC2200, 22" Touch
Supply voltage				
Supply voltage	24 V DC	24 V DC	24 V DC	24 V DC
General features				
Display				
Display version	12" TFT Widescreen	15" TFT Widescreen	19" TFT Widescreen	22" TFT Widescreen
Resolution (W x H in pixels)	1280 x 800	1280 x 800	1366 x 768	1920 x 1080
Number of colors	16 million	16 million	16 million	16 million
Dimmable backlighting (0-100%)	Yes	Yes	Yes	Yes
Protocols	Sm@rtServer, RDP, VNC	Sm@rtServer, RDP, VNC	Sm@rtServer, RDP, VNC	Sm@rtServer, RDP, VNC
Web properties	HTTP, HTML5, XML, CSS, JavaScript	HTTP, HTML5, XML, CSS, JavaScript	HTTP, HTML5, XML, CSS, JavaScript	HTTP, HTML5, XML, CSS, JavaScript
Industrial Thin Client	SIMATIC ITC1200, 12" Touch	SIMATIC ITC1500, 15" Touch	SIMATIC ITC1900, 19" Touch	SIMATIC ITC2200, 22" Touch
Operator controls				
Touch screen	Yes	Yes	Yes	Yes
Touch keyboard	Yes	Yes	Yes	Yes
Connection for mouse/keyboard	USB / USB	USB / USB	USB / USB	USB / USB
Interfaces				
Ethernet	1 x Gbit Ethernet 10/100/1000 Mbit/s (RJ45)	1 x Gbit Ethernet 10/100/1000 Mbit/s (RJ45)	1 x Gbit Ethernet 10/100/1000 Mbit/s (RJ45)	1 x Gbit Ethernet 10/100/1000 Mbit/s (RJ45)
USB	2 x USB	2 x USB	2 x USB	2 x USB
Degree of protection				
Front	IP65, enclosure type 4x / type 12 (indoor use only)	IP65, enclosure type 4x / type 12 (indoor use only)	IP65, enclosure type 4x / type 12 (indoor use only)	IP65, enclosure type 4x / type 12 (indoor use only)
Rear side	IP20	IP20	IP20	IP20
Built-in unit	Yes	Yes	Yes	Yes
Configuration				
On-board	Yes	Yes	Yes	Yes
Remote administration	Yes, with Remote Configuration Center from V2.0 (included in the delivery scope)	Yes, with Remote Configuration Center from V2.0 (included in the delivery scope)	Yes, with Remote Configuration Center from V2.0 (included in the delivery scope)	Yes, with Remote Configuration Center from V2.0 (included in the delivery scope)
Ambient conditions				
Ambient temperature	0 °C to +50 °C	0 °C to +50 °C	0 °C to +45 °C	0 °C to +45 °C
Storage/transport temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Dimensions				
Faceplate (W x H), in mm	330 x 241	415 x 310	483 x 337	560 x 380
Installation cutout (W x H x D) in mm	310 x 221 x 75	396 x 291 x 75	465 x 319 x 75	542 x 362 x 75
Weight				
Weight, approx.	2.8 kg	5.2 kg	6.5 kg	7.1 kg

SIMATIC IPC – the more Industrial PC	
More information on SIMATIC IPC is available at:	www.siemens.com/simatic-ipc
The optimum configuration for your application:	www.siemens.com/ipc-configurator
In-depth information is available in the SIMATIC manuals:	www.siemens.com/simatic-doku
Information material for download:	www.siemens.com/simatic/printmaterial
Technical documentation is available in our Service& Support portal:	www.siemens.com/automation/support
Your personal contact partner is listed at:	www.siemens.com/automation/partner
Electronic ordering via the Internet with the Mall:	www.siemens.com/automation/mall
More information on the Industrial Thin Clients is available at:	www.siemens.com/simatic-itc