



**Order number:** 11402034  
**Manufacturer:** TL Electronic GmbH  
**Weight:** 15.92 kg  
**Height:** 17.7 cm  
**Width:** 48.3 cm  
**Length:** 45.2 cm

## CL4511 - PQ170

### Price on request

Prices plus VAT [plus shipping costs](#)

Delivery time: upon request

### Product information "CL4511 - PQ170"

Robust 19-inch Industrial PC with front protection Industrial computer in sturdy steel sheet housing Aluminium front with lockable door (IP54 protected) Mainboard version (ATX) 7 x expansion slot 120 mm front fan with exchangeable filter pad Safe fixing of all cables and moving parts Configuration and interfaces as desired Designed for industrial applications in continuous operation Ready to install for the 19-inch rack Made in Germany Long-term availability

<b>Manufacturer:</b>	TL
<b>Matchcode manufacturer:</b>	nein
<b>Manufacturer:</b>	TL Electronic
<b>series name:</b>	ClassicLine
<b>mechanics:</b>	19" Rack Mount
<b>dimensions width:</b>	48,3
<b>dimensions height:</b>	17,7
<b>dimensions depth:</b>	45,2
<b>weight:</b>	15
<b>Material housing:</b>	Aluminium und Stahlblech / aluminium and
<b>Material Front :</b>	Aluminium / aluminum
<b>protection front:</b>	IP54
<b>protection device:</b>	IP20
<b>colour:</b>	RAL 7035 / light grey
<b>controls:</b>	2 Keys: Power, Reset, Status-LEDs
<b>VESA-Mounting Interface:</b>	Nein / no
<b>wall mounting:</b>	Nein / no
<b>cooling:</b>	aktiv / fan cooling
<b>DIN-Rail:</b>	Nein / no
<b>Mainboard form factor:</b>	ATX
<b>chipset:</b>	Intel Q170

<b>CPU Typ :</b>	Core i3
<b>CPU Model :</b>	6100
<b>CPU 64bit :</b>	Ja
<b>CPU speed:</b>	3700
<b>CPU cores:</b>	2
<b>CPU socket:</b>	LGA1151, H4
<b>CPU alternative option 1:</b>	Core i3-6xxx
<b>CPU alternative option 2:</b>	Core i5-5xxx
<b>CPU alternative option 3:</b>	Core i7-6xxx
<b>RAM size (MB):</b>	4096
<b>RAM max. size (MB):</b>	65536
<b>RAM Number of benches:</b>	4
<b>RAM Typ :</b>	DDR4
<b>RAM speed:</b>	2133
<b>PCI Express x16 :</b>	1
<b>PCI Express x4 :</b>	1
<b>PCI :</b>	5
<b>Grafik Controller:</b>	Intel HD Graphics 530
<b>Ethernet Controller:</b>	Intel PHY219-LM + 210-AT
<b>Audio Controller:</b>	Realtek ALC888S HD Codec
<b>connections SATA:</b>	6
<b>USB internal connections:</b>	4x USB2.0, 2x USB3.0
<b>Connections Serial internal:</b>	5x RS-232, 1x RS-232/422/485
<b>Mini-PCIe-slot:</b>	1
<b>Digital I/O :</b>	Optional / optional
<b>HDD design:</b>	3.5"
<b>HDD max. number:</b>	4
<b>HDD connection:</b>	SATA 3.0
<b>HDD capacity (GB):</b>	500
<b>SSD design:</b>	2.5"
<b>SSD max. number:</b>	4
<b>RAID-System :</b>	Ja / yes
<b>alternate Caddies:</b>	Optional / optional
<b>CD/DVD-Writer :</b>	Ja / yes
<b>USB :</b>	2 x USB 2.0
<b>Audio :</b>	Line-Out, Line-In, Mic in
<b>controls:</b>	Power On/Off, Reset, Kontroll-LEDs
<b>Display :</b>	1x VGA, 1x DVI-D
<b>USB :</b>	4 x USB 3.0
<b>LAN :</b>	2x RJ45 - 10/100/1000 Mbps
<b>Audio :</b>	Line-Out, Line-In, Mic in
<b>serial:</b>	2 x RS-232/422/485

PS/2:	2x Mini-DIN
voltage input AC:	100 - 240 V/AC
power adapter:	400 Watt ATX, PS/2, intern
WLAN:	Nein / no
operating-system support:	Windows 7 / 8.1 / 10 IoT
operating temperatur min.:	0°C
operating temperatur min.:	50°C
warranty:	24 Monate / 24 months

## Related links to "CL4511 - PQ170"

- [- Do you have any questions concerning this product?](#)
- [- Further products by TL Electronic GmbH](#)

## Available downloads:

- [Download CE Industrie-PC CL451x Gebrauchsanleitung 20190130](#)
- [Download Drawing Industrie-PC CL4511 190228](#)
- [Download CE Konformitätserklärung DoC IPC CL4511 20122020](#)