



Order number: 11402109
Open text field 2: 19-Zoll / 4 HE Industrie-PC der ClassicLine-Serie, Intel Core i3-9100E
Manufacturer: TL Electronic GmbH
Weight: 15 kg
Height: 17.7 cm
Width: 48.3 cm
Length: 45.2 cm

CL4501 - PH310 - 2

Price on request

Prices plus VAT [plus shipping costs](#)

Delivery time: upon request

Product information "CL4501 - PH310 - 2"

19-inch Industrial PC for professional use Industrial computer in sturdy steel sheet housing Aluminium front with lockable door Mainboard version (ATX) 7 x expansion slot 2 x 80 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

article group specification:	114
Manufacturer:	TL
Matchcode manufacturer:	nein
Manufacturer:	TL Electronic
series name:	ClassicLine
mechanics:	19" Rack Mount
dimensions width:	48,3
dimensions height:	17,7
dimensions depth:	45,2
weight:	15
Material housing:	Aluminium und Stahlblech / aluminium and
Material Front :	Aluminium / aluminum
colour:	RAL 7035 / light grey
controls:	2 Keys: Power, Reset, Status-LEDs
VESA-Mounting Interface:	Nein / no
wall mounting:	Nein / no
cooling:	aktiv / fan cooling
DIN-Rail:	Nein / no
Bauhöhe:	4HE
Mainboard form factor:	ATX
chipset:	Intel H310
CPU Typ :	Core i3

CPU Model :	9100E
CPU 64bit :	Ja
CPU speed:	3,10 GHz
CPU cores:	4
CPU socket:	LGA1151, H4
CPU alternative option 1:	Core i5-9500E
CPU alternative option 2:	Core i7-9700E
RAM size (MB):	8192
RAM max. size (MB):	32768
RAM Number of benches:	2
RAM Typ :	DDR4
RAM speed:	2400
PCI Express x16 :	1
PCI Express x4 :	1
PCI :	2
Grafik Controller:	Intel HD Graphics 630
Ethernet Controller:	Intel I112AT + PHYI219LM
connections SATA:	4
USB internal connections:	2x USB 2.0, 2x USB 3.0
Connections Serial internal:	2x RS-232/422/485
Mini-PCIe-slot:	1
HDD design:	3.5"
HDD max. number:	4
HDD connection:	SATA 3.0
HDD capacity (GB):	500
MiniPCIe Slot SSD :	1
SSD design:	M.2
SSD max. number:	1
RAID-System :	Nein / no
alternate Caddies:	Optional / optional
CD/DVD-Writer :	Ja / yes
USB :	2 x USB 2.0
controls:	Power On/Off, Kontroll-LEDs
Display :	2x DisplayPort, 1x VGA
USB :	4 x USB 3.1, 2 x USB 2.0
LAN :	2x RJ45 - 10/100/1000 Mbps
Audio :	Line-Out, Line-In, Mic in
serial:	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
operating-system support:	Windows 10 IoT Enterprise, Linux

operating temperatur min.:	0°C
operating temperatur min.:	60°C
warranty:	24 Monate / 24 months

Related links to "CL4501 - PH310 - 2"

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

Available downloads:

- [Download CE Industrie-PC CL450x Gebrauchsanleitung 20190130](#)
- [Download Drawing Industrie-PC CL4501 190228](#)
- [Download CE Konformitätserklärung DoC IPC CL4501_20122020](#)