

WP 4156-WHPS - Web panel



1148691

<https://www.phoenixcontact.com/us/products/1148691>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Web panel with 39.6 cm/15.6" TFT-display (projective-capacitive (PCAP)), 1366 x 768 pixel(s) (HD), 16.7 million colors, Arm[®] Cortex[®]-A53, 4x 1.2 GHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Yocto/Linux and user software: Chromium Browser. (bus system: without)

Your advantages

- Easy startup – just enter the IP and URL
- Flexible, thanks to open web standard and free choice of web server and visualization software
- No security updates are required for JAVA or Flash plug-ins thanks to HTML5
- Ideal for use with PLCnext Engineer or CODESYS
- Embedded Linux operating system
- Visualization of self-programmed JavaScript applications possible
- Secure communication, thanks to SSL-encrypted data transmission

Commercial data

Item number	1148691
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR17
Product key	DRCADF
GTIN	4063151142353
Weight per piece (including packing)	4,950 g
Weight per piece (excluding packing)	4,000 g
Customs tariff number	84714100
Country of origin	DE

Technical data

Product properties

Product type	Operator panel
--------------	----------------

Computer data

Processor	Arm® Cortex®-A53, 4x 1.2 GHz
Operating system	Yocto/Linux
RAM	1 GB LPDDR3
Data storage system	Flash eMMC, 8 GB
Slots	1x microSD

Display

Display type	39.6 cm/15.6" TFT
Screen resolution	1366 x 768 Pixel(s) (HD)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	320 cd/m ² typical (adjustable)
MTBF	70000 h
Color spectrum	16.7 million colors
Reading angle left	80 °
Reading angle right	80 °
Reading angle top	80 °
Reading angle bottom	80 °

Software

User software	Chromium Browser
---------------	------------------

System requirements

Runtime system	Chromium browser
----------------	------------------

Interfaces

Interfaces	2x USB Host 2.0
Optional interfaces	Without optional interface
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without

System properties

User software	Chromium Browser
---------------	------------------

System requirements

Runtime system	Chromium browser
----------------	------------------

Electrical properties

Supply

WP 4156-WHPS - Web panel



1148691

<https://www.phoenixcontact.com/us/products/1148691>

Supply voltage	24 V DC
Supply voltage range	18 V ... 30 V
Power supply unit	24 V DC \pm 20 %
Typical current consumption	1 A

Real-time clock

Realtime clock	Integrated (battery backup)
----------------	-----------------------------

Mounting

Mounting type	Front mounting
---------------	----------------

Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Altitude	3000 m
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Dimensions

External dimensions

Width / Height / Depth	436 mm / 278 mm / 6 mm (Dimensions of the front plate)
------------------------	--

Installation dimensions

Width / Height / Installation depth	425 mm / 260 mm / 53 mm (Installation cutout)
-------------------------------------	---

1148691

<https://www.phoenixcontact.com/us/products/1148691>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1148691>



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

cULus Listed

1148691

<https://www.phoenixcontact.com/us/products/1148691>

Classifications

ECLASS

ECLASS-11.0	27330201
ECLASS-12.0	27330201

ETIM

ETIM 8.0	EC001412
----------	----------

UNSPSC

UNSPSC 21.0	43211900
-------------	----------

WP 4156-WHPS - Web panel

1148691

<https://www.phoenixcontact.com/us/products/1148691>



Environmental product compliance

REACH SVHC

Lead 7439-92-1

WP 4156-WHPS - Web panel

1148691

<https://www.phoenixcontact.com/us/products/1148691>



Accessories

USB FLASH DRIVE - USB memory stick

2402809

<https://www.phoenixcontact.com/us/products/2402809>



USB memory stick, 8 GB

HMI SCB MOUNTING KIT 6 - Mounting material

2701385

<https://www.phoenixcontact.com/us/products/2701385>



HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

WP 4156-WHPS - Web panel

1148691

<https://www.phoenixcontact.com/us/products/1148691>

MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

<https://www.phoenixcontact.com/us/products/1751312>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

HMI WALL MOUNTING KIT - Mounting material

2701380

<https://www.phoenixcontact.com/us/products/2701380>

HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.



WP 4156-WHPS - Web panel



1148691

<https://www.phoenixcontact.com/us/products/1148691>

MICROSDHC-16GB - Memory

1154696

<https://www.phoenixcontact.com/us/products/1154696>



Industrial grade 16 GB MicroSDHC 3DTLC

MICROSDHC-32GB - Memory

1154699

<https://www.phoenixcontact.com/us/products/1154699>



Industrial grade 32 GB MicroSDHC 3DTLC

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com