WP 4156-WHPS - Web panel

1148691

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

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

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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/m² 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

Supply voltage	24 V DC
Supply voltage range	18 V ... 30 V
Power supply unit	24 V DC ±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)

Approvals

	UL Listed
	Approval ID: FILE E 238705

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Classifications

ECLASS

ECLASS-11.0	27330201
ECLASS-12.0	27330201

ETIM

ETIM 8.0	EC001412

UNSPSC

UNSPSC 21.0	43211900

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

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Accessories

USB FLASH DRIVE - USB memory stick

2402809

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

USB memory stick, 8 GB

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

1751312

https://www.phoenixcontact.com/us/products/1751312
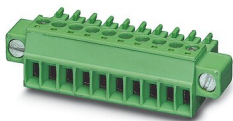
PCB connector, nominal cross section: 1.5 mm^2, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/..-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, number of solder pins per potential: 1, plug-in system: COMBICON MC 1,5, locking: Screw locking, mounting: Screw flange, type of packaging: packed in cardboard

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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.

MICROSDHC-16GB - Memory

1154696

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

Industrial grade 16 GB MicroSDHC 3DTLC