

WP 6121-WXPR - Web panel

1650121

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6th generation rugged web panel, 12.1", format (16:9) VGA, PCAP robust specification



Your advantages

- Robust hardware for harsh environments with 3 mm thick glass, larger heatsink, and stronger housing
- Open and usable in any third-party system
- Ideal for any HTML5 or browser-based visualization
- Can be operated with gloves and suitable for use in damp environments
- Resistant to UV and IR radiation
- Display can be read in sunlight

Commercial data

Item number	1650121
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR17
Product key	DRCADF
GTIN	4067923183674
Weight per piece (including packing)	4,836 g
Weight per piece (excluding packing)	3,700 g
Customs tariff number	84714100
Country of origin	TW

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Operator panel
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Computer data

Processor	Arm® Cortex®-A53, 1.6 GHz
Operating system	Yocto/Linux®
Data storage system	Flash eMMC, 8 GB
Slots	1x microSD

Display

Display type	30.73 cm / 12.1"-TFT
Readability in sunlight	yes
Screen resolution	1280 x 800 Pixel(s) (WXGA)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	1000 cd/m² typical (adjustable)
MTBF	50000 h
Color spectrum	16.7 million colors
Reading angle left	89.00 °
Reading angle right	89.00 °
Reading angle top	89.00 °
Reading angle bottom	89.00 °

Interfaces

Interfaces	2x USB 2.0
	1x USB 3.0, Typ C
	1x COM (RS-232/422/485)
Optional interfaces	Without optional interface
Network	1 x Ethernet (10/100/1000 Mbps), RJ45
Bus system	without bus system

System properties

User software	QT browser
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System requirements

Runtime system	Qt Browser
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Electrical properties

Service life of battery	5 years (typical)
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Real-time clock

Realtime clock	Yes (battery-backed)
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Material specifications

Color (Housing)	white aluminium (RAL 9006)
Material front plate	Aluminum (natural anodized)
Housing material	Aluminum cast alloy, powder-coated

Connection data

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12
Stripping length	7 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66 (front), IP20 (back)
Ambient temperature (operation)	-30 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Vibration (operation)	5g

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Classifications

ECLASS

ECLASS-13.0	27330201
ECLASS-15.0	27330201

ETIM

ETIM 10.0	EC001412
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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