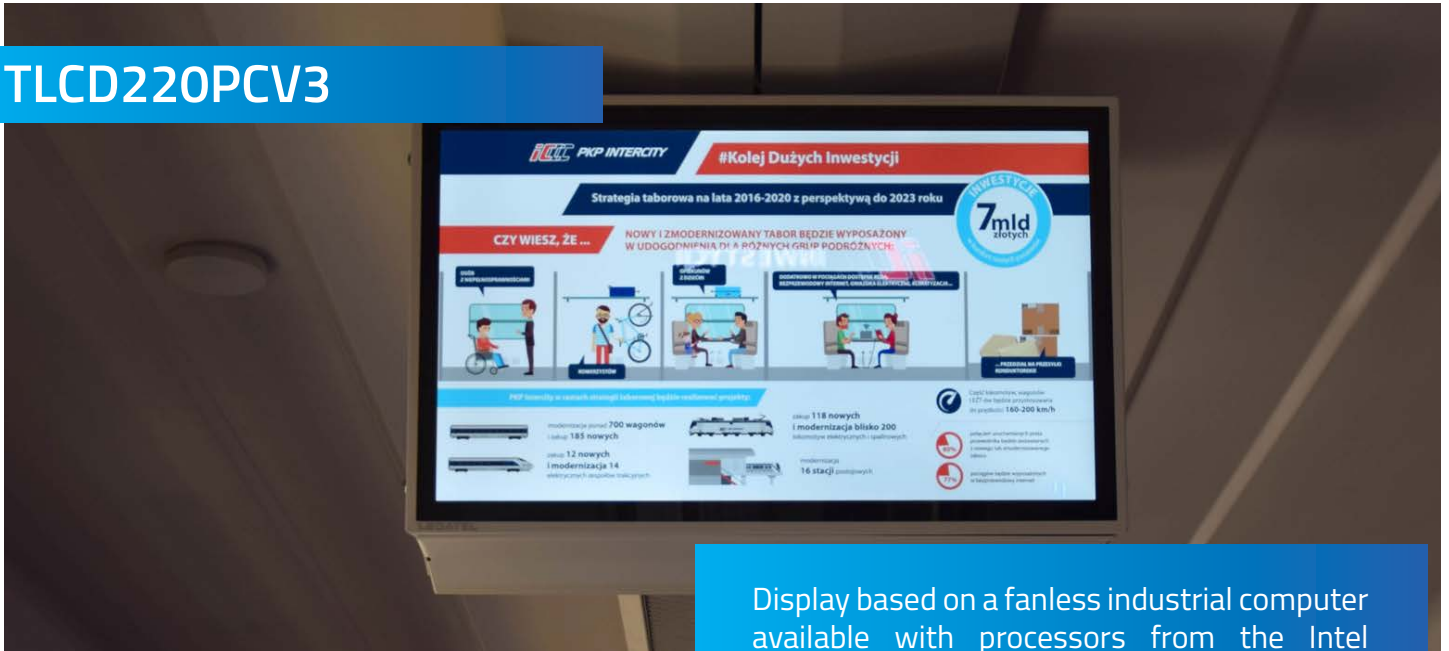


TLCD220PCV3



Display based on a fanless industrial computer available with processors from the Intel Apollo Lake family. It provides high computing performance at low power consumption and a wide range of operating temperatures. Designed for railway applications. It has the function of adaptive LCD matrix backlight that allows to adjust to prevailing lighting conditions. Optionally, two displays in „V” layout can be mounted on a special suspended bracket at the vehicle’s ceiling.



Open communication protocol



Linux and Windows support



Temperature class OT4



Supply voltage range 16.8 VDC - 36 VDC



Possibility of integration with any software from another manufacturer/supplier of the SIP system for rail vehicles and infrastructure



Adjustment of the mounting brackets for the project



Adjustment of the boards in terms of mounting for another manufacturer’s boards

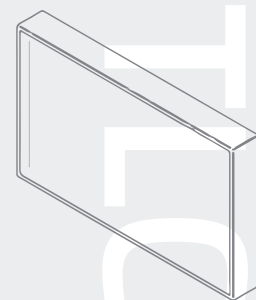
Mechanical properties

Dimensions	w układzie wieszaka Vesa: 515 mm (w) x 312 mm (h) x 60 mm (d)
Weight	5,9 kg ± 0,35 kg, waga uchwytu VESA: 1,4 kg ± 0,15 kg
Operating temperature	-40°C ~ +75°C
Storage temperature	-40°C ~ +75°C
Relative humidity	10% - 90% (bez kondensacji)
Screen protection	szyba 4 mm
Paint Cover	Dowolny kolor palety RAL
IP code	IP64 (przód), IP40 (tył)

Technical specifications

PC	Piesia lub Vecow lub Gigabyte
Processor	Intel Apollo Lake (Atom, Celeron lub Pentium)
RAM memory	1x DDR3L SO-DIMM do 4GB
Supply voltage range	16VDC - 140VDC
Rated voltage	24VDC - 110VDS
Energy consumption	Maximum consumption of 35 W
USB port	1x USB 2.0
LAN	1x 10/100 LAN with M12 D-code female connector (optional 2x 10/100 LAN with M12 D-code female connector)
Power connector	M12 A-code 4-pin male connector
Video	1x HDMI (for the TLCD220V3 variant, a connector with a 500 mm cable)
Diagonal screen size	21.5" (16:9)
Maximum resolution	1920x1080 px
Luminance (cd/m ²)	max 350cd
Contrast	3000:1 (max), 1000:1 (min)
mSata	1 x mSata

Standards	EN 45545-2:2020, EN 50155:2017, EN 50121-3-2:2016, EN 61373:2010, EN 50124-1:2017, EU Directives: 2014/30/EU (EMC), 2011/65/CE (RoHS2), 1907/2006/CE (REACH)
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TLCD220P CV3