

((

Model Number

ODT-MAC401-ND-WH-5601

Stationary high-speed read device for code speeds up to 20 m/s and 60 fps, Data Matrix ECC 200 Code, angled line of sight, VGA resolution, Ethernet, RS 232

Features

- Up to 60 readings per second
- Movement speeds of up to 20 m/s
- · Omni-directional reading
- Evaluation of up to 256 gray values with adaptive gray value threshold
- VGA output
- · Integrated error image memory

Function

The stationary reader is a reading system for the recognition of data matrix codes.

With a powerful signal processor and optimized decoding algorithms, the device delivers delivers extremely high reading speeds.

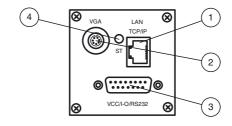
The configuration is easy and comfortable via the standard Ethernet interface using a standard web browser or via serial port.

The device is supported by an integrated laser pointer and the VGA video output. In addition, the device has an integrated error image memory.

Typical operative range of stationary readers are:

- Document handling
- Printing machines
- Identification in packaging and warehousing technology
- Detection of PCBs

Indicating / Operating means



	1	Socket LAN	
	2	Socket VGA	
3 Plug 24VDC + IO			
	4	Status LED	yellow/red/green

Electrical connection

VGA		LAN	LAN	
	7 6 3 3		8 1	
Pin	5 Signal	Pin	Signal	
1 2 3 4 5	OUT VSYNC GND OUT R OUT G GND	1 2 3 4 5	TX+ Ethernet TX- Ethernet RX+ Ethernet NC NC	
6 7	OUT B OUT HSYNC	6 7 8	RX- Ethernet NC NC	

VCC/I-O/RS232



Pin	Signal	Pin	Signal	
1	GND	9	Good	
2	GND	10	Bad	
3	GND IO	11	Trigger	
4	+UB	12	NC	
5	+UB	13	TX RS232	
6	+UB IO	14	RX RS232	
7	NC	15	IN 3	
8	IN 2			

Technical data		
General specifications		
Light type		Integrated LED lightning (white)
Symbologies		Data Matrix ECC 200
Read distance		60 mm
Depth of focus		± 5 mm
Reading field		30 mm x 20 mm
Modul size		≥ 0.2 mm
Sensor principle Evaluation frequency		Camera system max. 60 Hz
Target velocity		triggered ≤ 20 m/s
Data Matrix		linggered 5 20 m/s
Symbol size		rectangular up to 48 x 48 modules rectangular up to 16 x 48 modules
Data format		ASCII, C40, Text, X12, Edifact, Base 256, all according to ISO 646
Data capacity		348 numerical, 259 ASCII, 172 Byte
Orientation		omnidirectional
Nominal ratings		
Camera		
Туре		CMOS , Global shutter
Number of pixels		752 x 480 pixels
Gray scale		256
Image recording		real-time, Program-controlled or triggered externally
Indicators/operating means		
LED indicator		for good/poor reading
Electrical specifications		
Operating voltage	U _B	24 V DC ± 15% , PELV
No-load supply current	I ₀	max. 250 mA
Power consumption	P ₀	6 W
Interface		
Physical		RS 232
Protocol		ASCII
Transfer rate		9600 115200 Bit/s
Cable length		max. 30 m
Output		O alastronia autorita DND autically de accordad
Number/Type		2 electronic outputs, PNP , optically decoupled optional up to 4 outputs
Switching voltage Switching current		to be applied externally 24 V ± 15 % PELV 100 mA each output
Cable length		max. 30 m
Output 1		max. 30 m
Output type		Video output, RGB (75 Ohm), 1 Vpp
Resolution		VGA, 800 x 600 pixels
Ambient conditions		- G, 600 X 600 pixolo
Ambient temperature		0 45 °C (32 113 °F)
Storage temperature		-20 60 °C (-4 140 °F)
Mechanical specifications		
Protection degree		IP20
Connection		Video: 7-pin socket Power supply/interfaces/inputs and outputs: Sub-D 15-pin UNC LAN: RJ-45 socket, 8-pin
Material		
Housing		powder coated diecast zinc
Mass		approx. 760 g
Compliance with standards and oves	directi-	
Directive conformity		
EMC Directive 2004/108/EC		EN 61326-1, EN 61000-6-4
Standard conformity		
Noise immunity		EN 61326-1
Emitted interference		EN 61000-6-4
Protection degree		EN 60529

Accessories

ODZ-MAC-CAB-VIDEO

Video cable VGA

ODZ-MAC-CAB-15POL-2,5M-FEMALE

Connecting cable Sub-D jack, 15-pin

V45-G-10M-V45-G

Network cable RJ-45, Category 5

ODZ-TRIGGERBOX-SK

Trigger box for fixed mounted readers

ODZ-MAC-CAB-15POL-5M-FEMALE

Connecting cable Sub-D jack, 15-pin

ODZ-MAC-PWR-24V

24 V DC power supply

ODZ-MAC-CAB-24V-R2-2M

Connecting cable for power supply/RS 232

Other suitable accessories can be found at www.pepperl-fuchs.com

Dimensions

