

DATA SHEET

Code: APTI-AI80FQRTD

ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT **APTI-AI80FQRTD**4.5 mm - 1080p

Access controller based on face recognition with body surface temperature measurement function. The device is additionally equipped with an RFID card reader in the $13.56~\mathrm{MHz}$ S50 standard and a QR code scanner.

A solution dedicated to measuring temperature. The camera is able to detect increased object temperature. It can be used for preliminary temperature control in places such as customs, airports, schools and hospitals. Face recognition with extended functionality allows you to determine whether the observed person has a protective mask and in the absence of a mask perform the appropriate action, e.g. trigger a voice message reminding to cover the face.

Attention! The face recognition feature requires that photos for the database be taken in homogeneous lighting, and the size of a single photo must not exceed 2 MB. In addition, the photo should be cropped in such a way that the image contains the entire face, while the face should occupy as much of the surface of the image as possible. When using the face recognition function for people in protective masks, the optimal working conditions of the device are ensured by positioning it so that the lens is at the height of the face and is directed towards it.



Sensor:	1/2.9 " GC2093
Matrix size:	2.1 Mpx
Scanning system:	Progressive
Lens:	4.5 mm
View angle:	66 °
Optical zoom:	-
Resolution:	1920 x 1080 - 1080p

Sensor:	1/2.9 " GC2053
Matrix size:	2 Mpx
Lens:	4.5 mm
View angle:	66 °
Resolution:	1280 x 720 - 720p

RFID reader:





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Accuracy of temperature measurement ange: Standard: Standard	Cards support:	13.56 MHz S50
Doorholl button: —		
Resolution: 640 x 480 px Niew angle: 90° Interface: USB, RS-232 TTL. 100 000 Lux 100 codes reading: 100 codes reading:	-	_
Resolution:		<u> </u>
New angle: Authorface: Author	Resolution:	640 x 480 px
Interface: USB, RS-232 TTL Maximum background illumination: 100 000 Lux		
Maximum background illumination: 100 000 Lux - 1D: EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5 (ITF), ITP-6, ITP-14, ISBN, ISSN, MSP-Plessey, CS1 Databar, Code 11, Industrial 25, Standard 25, Plessey, Markir 2 of 5 - 2D: QR Code, Data Matrix, PDF417, Aziec - EAN13 (13 mm): 30 140 mm - Code 39 (5 mm): 30 120 mm - Data Matrix (10 mm): 30 70 mm - PDF417 (6.67 mm): 30 70 mm - PDF417 (6.67 mm): 30 80 mm - Minimal contrast: - 25 % - 8 moneral information: - TCP/IP - Range of IR illumination: - 5 m - Femperature measurement: Femperature measurement:	-	
1D; EAN, UPC, Code 39, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5 (TF), ITF-6, ITF-14, ISBN, ISSN, MS:Plessey, GS1 Databar, Code 11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5 2D; QR Code, Data Matrix, UPF417, Aztec		
* 2D : QR Code, Data Matrix, PDF417, Aztec	QR codes reading:	• 1D : EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5 (ITF), ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 Databar, Code 11,
Minimal contrast: eneral information: Standard: TCP/IP Range of IR illumination: 5 m White light LED illuminator range: 5 m Temperature measurement:	Reading distance:	• 2D : QR Code, Data Matrix, PDF417, Aztec • EAN13 (13 mm) : 30 140 mm • Code 39 (5 mm) : 30 50 mm • QR Code (20 mm) : 35 120 mm • Data Matrix (10 mm) : 30 70 mm
Standard: TCP/IP Range of IR illumination: 5 m White light LED illuminator range: 5 m Temperature measurement: Temperature measurement: *** ** ** ** ** ** ** ** **	Minimal contrast:	
Range of IR illumination: 5 m White light LED illuminator range: 5 m Temperature measurement:	General information:	
White light LED illuminator range: 5 m Temperature measurement:	Standard:	TCP/IP
Temperature measurement: ✓ Temperature measurement range: 35.7 °C 42 °C 4 ccuracy of temperature measurement: ± 0.3 °C Temperature measurement distance: 0.7 m 1.2 m Face recognition distance: 0.5 m 2.0 m (max 30 000 faces in the database) Internal memory: Support storage of 50 000 records Video output: — RS-485 interface: ✓ Wiegand interface: ✓ Memory card slot: — Alarm inputs / outputs: 0 / 1 Audio: Speaker built-in Network interface: 10/100 Base-T (RJ-45) Network protocols: IPv4, TCP/IP, HTTP, MQTT, RTSP, SMTP, NTP WEB Server: Built-in	Range of IR illumination:	5 m
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Network interface: 10/100 Base-T (RJ-45) Network protocols: IPv4, TCP/IP, HTTP, MQTT, RTSP, SMTP, NTP WEB Server: Built-in	Alarm inputs / outputs:	0 / 1
Network protocols: IPv4, TCP/IP, HTTP, MQTT, RTSP, SMTP, NTP Built-in	Audio:	Speaker built-in
WEB Server: Built-in	Network interface:	10/100 Base-T (RJ-45)
	Network protocols:	IPv4, TCP/IP, HTTP, MQTT, RTSP, SMTP, NTP
ONVIF: -	WEB Server:	Built-in
	ONVIF:	-





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Default IP address:	DHCP / 192.168.1.88
Default admin user / password:	admin / 12345
Web browser access ports:	80
PC client access ports:	80
Main features:	Built-in LCD display showing the image from the video camera and the result of temperature measurement - 800 x 1280 px, 8 " Wiegand 34/26 Day/Night mode (color/b&w/auto) RESET button Alarm output of NO/NC relay type Relay output operating modes: access control or notification of an exception Built-in QR code reader
Power supply:	12 V / 2 A DC
Power consumption:	≤ 18 W
Housing:	Compact - Metal
Color:	Silver
"Index of Protection":	-
Operation temp:	$15\ ^{\circ}\text{C}\dots 25\ ^{\circ}\text{C}$ - temperature measurement only in closed rooms (stabilized temperature)
Weight:	1.8 kg
Dimensions:	366 x 132 x 144 mm
Montage hole diameter:	35 mm
Length of the cable:	65 cm
Supported languages:	English, French, Spanish, Ukrainian, Italian
Manufacturer / Brand:	APTI
Guarantee:	3 years