

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 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

Auxiliary camera:

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

RFID reader:

Cards support:	13.56 MHz S50
Keyboard built-in:	—
Doorbell button:	—

## QR code reader:

Resolution:	640 x 480 px
View angle:	90 °
Interface:	USB, RS-232 TTL
Maximum background illumination:	100 000 Lux
QR codes reading:	<ul style="list-style-type: none"> <li>• 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, Industrial 25, Standard 25, Plessey, Matrix 2 of 5</li> <li>• 2D : QR Code, Data Matrix, PDF417, Aztec</li> </ul>
Reading distance:	<ul style="list-style-type: none"> <li>• EAN13 (13 mm) : 30 ... 140 mm</li> <li>• Code 39 (5 mm) : 30 ... 50 mm</li> <li>• QR Code (20 mm) : 35 ... 120 mm</li> <li>• Data Matrix (10 mm) : 30 ... 70 mm</li> <li>• PDF417 (6.67 mm) : 30 ... 80 mm</li> </ul>
Minimal contrast:	25 %

## General information:

Standard:	TCP/IP
Range of IR illumination:	5 m
White light LED illuminator range:	5 m
Temperature measurement:	✓
Temperature measurement range:	35.7 °C ... 42 °C
Accuracy 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
ONVIF:	—



# DATA SHEET

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:	<ul style="list-style-type: none"><li>• Built-in LCD display showing the image from the video camera and the result of temperature measurement - 800 x 1280 px, 8 "</li><li>• Wiegand 34/26</li><li>• Day/Night mode (color/b&amp;w/auto)</li><li>• RESET button</li><li>• Alarm output of NO/NC relay type</li><li>• Relay output operating modes: access control or notification of an exception</li><li>• Built-in QR code reader</li></ul>
Power supply:	12 V / 2 A DC
Power consumption:	≤ 18 W
Housing:	Compact - Metal
Color:	Silver
"Index of Protection":	—
Operation temp:	15 °C ... 25 °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:	<b>3 years</b>