

# PRESENTATION ON NEW GENERATION PRODUCT & SOLUTION FROM AMPLETRAILS



# AI BASED FACE DEVICE – 8” DISPLAY



**B2002FR-8I-WM - Lo6**

- REAL TIME LIVE FACE DETECTION
- 10000 FACE USERS CAPACITY
- 80000 LOG CAPACITY
- RECOGNITION TIME - <0.5 SEC.
- READ RANGE – 0.3 -1.5 METERS.
- BUILT- IN LIGHT SENSOR, AUTO ADJUSTMENT OF THE LIGHT CONDITION
- OPERATING SYSTEM LINUX – BETTER STABILITY.
- MEAN TIME BETWEEN FAILURE MTB> 50000 H
- TCP/IP , MQTT PROTOCOL , SUPPORT WINDOWS/ LINUX.
- INTERFACE – I/O, WIGAND -26/34 BIT, RJ 45
- 8” FULL VIEW HD DISPLAY .
- CARD READER MODULE , GPRS MODULE ( OPTIONAL )
- TURNSTILE MOUNTING MODEL IS ALSO AVAILABLE

# AI BASED FACE DEVICE – 7” DISPLAY



**B2002FR –WM – Lo6**

- Real time live Face Detectation
- 24000 Face Users capacity
- 160000 Log Capacity
- Recognition Time - <0.5 sec.
- Read range – 0.5 -1.5 meters.
- Built- In light sensor, auto adjustment of the light condition
- Operating System Linux – Better Stability.
- Mean Time Between failure MTB> 50000 H
- TCP/IP , MQTT Protocol , Support Windows/ Linux.
- Interface – I/O, Wigand -26/34 Bit.
- 7” FULL View HD Display .
- IP65 Water & Dust proof.
- Ambience Temperature – (-) 30° - (+) 60°
- Turnstile Mounting Model is also available

# AI BASED FACE DEVICE – 5” DISPLAY



**B2002FR-5I-WM-L06**

- Real time live Face Detection
- 10000 Face Users capacity
- 80000 Log Capacity
- Recognition Time - <0.5 sec.
- Read range – 0.5 -1.5 meters.
- Operating System Linux – Better Stability.
- Built- In light sensor, auto adjustment of the light condition
- Mean Time Between failure MTB> 50000 H
- TCP/IP , MQTT Protocol , Support Windows/ Linux.
- Interface – I/O, Wigan -26/34 Bit, RJ45
- 5” FULL View HD Display .
- IP65 Water & Dust proof.
- Ambience Temperature – (-) 30° - (+) 60°
- Turnstile Mounting Model is also available

# TOUCHLESS STAFF ATTENDANCE & ACCESS CONTROL

## FACIAL RECOGNITION BASED

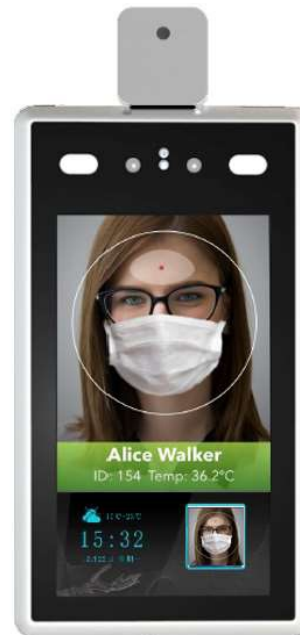
UNLIKE BIO-METRICS, FACIAL RECOGNITION IS A CONTACTLESS WAY TO IDENTIFY AND AUTHENTICATE EMPLOYEES

## BODY TEMPERATURE SCANNING

SCAN BODY TEMPERATURE OF STAFF AND RAISE A RED ALERT INCASE IT IS BEYOND PERMISSIBLE LIMITS.

## DETAILED ATTENDANCE REPORTS

Generate user-friendly attendance reports with detailed records of mask adherence and body temperature.



## FACIAL MASK COMPLIANCE

AI CONTROLS SCREEN MASK ADHERENCE OF EMPLOYEES, BASIS WHICH ACCESS CAN BE GRANTED OR DENIED...

## ACCESS CONTROL INTEGRATION

SEAMLESSLY INTEGRATE WITH YOUR PRESENT ACCESS CONTROL SOLUTION AND SET CUSTOMIZABLE ACCESS RULES..

## EXTENDABLE TO VISITORS

Use the same terminal to screen visitors for facial masks and scan their body temperature.

# SPECIALIZED HARDWARE WITH AI & SENSORS



## KEY FEATURES:

**1**

**HIGH THROUGHPUT TO  
PREVENT QUEUING**

**2**

**INTEGRATES WITH EM LOCKS, FLAP  
BARRIERS & TURNSTILES WITH EASE**

**3**

**FACE RECOGNITION FROM 2 METERS  
(IDEAL FOR FLAP BARRIERS)**

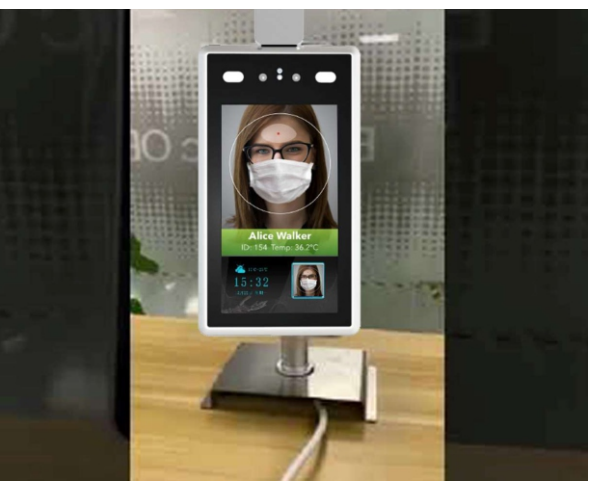
**4**

**TEMPERATURE  
SENSING FROM 1.5 FT**

# HIGHLIGHTED FEATURES :-

- USERS CAPACITY – 22400 FACE TEMPLATE 1:N
- 100000 DATA STORAGE
- BUILT- IN PROXIMITY CARD READER.
- AUTO BODY TEMPERATURE DETECTION – ACCURACY PLUS/ MINUS 0.5 ( C )
- SUPPORT TEMPERATURE DATA OUT PUT.
- AUTO DICTATION OF UNMASKED PERSON.
- WIDE ANGLE CAMERA TO DETECT FACE BOTH FOR SHORT HIGHT AND TALL PEOPLE.
- BINOCULAR LIVE DICTATION
- IDENTIFICATION RANGE – 0.5 MTS. – 2 MTS.
- RECOGNITION TIME TYPICALLY < 500 MS.
- 7 INCH IPS (BEST COLOUR COMBINATION, ANGLE AND GOOD IMAGE QUALITY ) HD COLOUR DISPLAY
- ELECTRONIC VOICE PROMPT FOR – NORMAL BODY TEMPERATURE OR ABNORMAL BODY TEMPERATURE, MUSK ALERT.
- OPERATING SYSTEM – LINUX.
- TEMPERATURE MEASUREMENT RANGE – 30 – 45 DEGREE COINTEGRATE.
- TEMPERATURE – 15 DEGREE – 60 DEGREE.
- HUMIDITY – 5 – 90 NON-CONDENSE .
- DEVICE CAN BE MOUNTED ON TURNSTILE.

# APPLICATION AREAS / USE CASES



# TOUCHLESS VISITOR REGISTRATION

## ADVANCED HIERARCHICAL INVITES

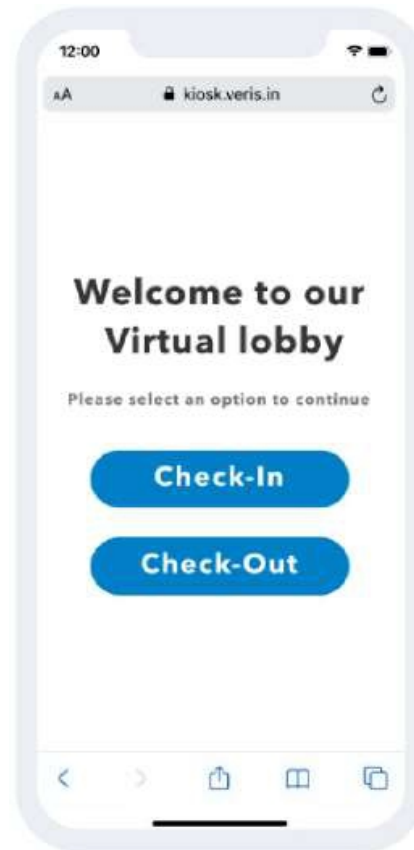
ASSIGN DIFFERENTIAL PRE-INVITATION AND APPROVAL RIGHTS TO EMPLOYEES TO REDUCE IRRELEVANT FACE TO FACE MEETINGS

## CONTACTLESS CHECK-INS

Visitors scan QR code on the reception and complete registration on their own smartphones

## DIGITAL VISITOR BADGES

EMPOWER YOUR VISITORS BY ASSIGNING THEM DIGITAL VISITOR BADGES AND CREATE A TRUE CONTACTLESS EXPERIENCE



## SENSITISE & SCREEN

EDUCATE YOUR VISITORS AND GET CERTAIN ON ALL VISITOR CATEGORIES TO FILL A CUSTOMIZED COVID-19 QUESTIONNAIRE.

## BLACKLIST & ALERT

IDENTIFY AND BLACKLIST HIGH-RISK VISITORS & INSTANTLY ALERT THE HOST AND SECURITY TEAMS ABOUT THEM.

## TRACE & TRACK

SEAMLESSLY TRACE CONTACTS AND ACCURATELY TRACK VISITORS WHO VISITED YOUR PREMISES.

# HANDHELD FACE DEVICE

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- FACE + CARD + PIN
- LIGHT WEIGHT HANDHELD DEVICE.
- 1000 FACE USER CAPACITY.
- 100000 TRANSACTION DATA STORAGE
- 1GHZ HIGH SPEED DIGITAL PROCESSOR.
- TCP/IP , USB, WIGAND IN & OUT
- 2.8" TFT SCREEN.
- PUSH TO SERVER , TCP/IP, USB HOST.
- 0- 5000 LUX.
- 16 SNAPS OF FACE TEMPLATE FOR EACH USERS.
- SPECIALIZED DUAL SENSOR.
- 4 HOURS BATTERY BACKUP.

# IoT BASED ACCESS CONTROL SYSTEM.



**CHECKMATE IoT**

## WHAT IS IOT BASED ACCESS CONTROL SYSTEM ?

-QR Code Based Cloud Enable Access Control System – It is Wi-Fi enable Access Control System which is configured to communicate online/ Cloud Server . Access to the premises may be dynamically be given based on logic & condition as defined in the Application backend Database . Now a days due to Security reasons and restricted entry the complex logics are required by the Customer , which is not possible in a Traditional Access Control System.

## HOW IT IS DIFFERENT THAN TRADITIONAL ACCESS CONTROL SYSTEM ?

-In case of Physical Access Control , it is used to open the Electric/Electronic Lock to give the access through RF & Biometric Device with some traditional logic set by the Manufacturer like Door wise access, time Zone etc. and it is permanent and logic can not be can not be changed based on the Customer's requirement.

**NO FLEXIBILITY . NEED MANUAL INTERVENTION AND MANPOWER**

# DEVICE CAN BE CONNECTED WITH IOT BASED ACCESS CONTROL SYSTEM



**FACE BASED  
ATTENDANCE DEVICES**



**DUAL READER (CAN READ BOTH  
PROX. & MIFARE SMART CARD)**



**QR CODE READER**

## **ADVANTAGES OF IoT BASES ACCESS CONTROL.**

- No need to provide any credentials like RF Card or Biometric like Finger/ Face etc.
- No need to define the Access to a credential which is permanent or need to configure
- Easy Scaling up as the application talks to the Database for generating Access.
- On line View of Attendance and Access , including Door Status.

## **IoT Xs: WEB BASED ACCESS MANAGEMENT APPLICATION**

Checkmate IoT require a Cloud Based Application Software to set – up the users and the Doors configuration and Complex Access Door setup like multiple office across various locations . Anti passback , Escort/ Master Card, Common and Emergency door set up etc. can be done effortlessly.

Occupancy details , Door Status , Validity date ( like clubs/ Gyms , Contractors ) etc. can be seen on the Dashboard.

It captures the transaction Data online and generate Reports .

It does online transaction to enhance Visitor Management with front office Management intelligently through QR Code Authentication. Upon Visitor registration a pass is generated with QR Code to provide access to a Door (s).

# HIGH PERFORMANCE STYLISH AND SLICK FINGERPRINT DEVICE

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- High-Performance 32-Bit ARM Core CPU.
- Stylish and slick Model
- 9500 Finger Templates
- 90,000 Transaction Storage .
- 4X4 capacitive Touch Keyboard
- 3" Graphic LCD ,128X64 pixel Blue backlit with White Character. Sharp & Stylish Reading.
- 100 MBPS TCP/IP with Push Technology (Purple Moor Service)
- Wide Range SMPS Adaptor (90-260V AC)
- Optical(16 X 19 mm) @500 DPI
- Human Voice Interface ( Possible in Local Language )
- Wigand input for OUT Reader
- Access Control Option with Relay
- Time masking, Employee Masking
- Web Server Interface

	MF1008 A	B2002FR- 8I	B2002FR-LO67”	B2002FR-5I	HANDHELD FACE DEVICE	IoT BASED ACCESS CONTROL SYSTEM
APPLICATION AREA	FACE + TEMPERATURE + MUSK COMPLIANT FACE DEVICES	BIGGER DISPLAY, SLICK, ARTIFICIAL INTELLIGENCE BASED FACE DEVICES -8” DISPLAY	BIGGER DISPLAY, SLICK, ARTIFICIAL INTELLIGENCE BASED FACE DEVICES -7” DISPLAY	BIGGER DISPLAY, SLICK, ARTIFICIAL INTELLIGENCE BASED FACE DEVICES -5” DISPLAY	Class Room Attendance, on site attendance , Project sites etc.	On line Cloud based Access Control. Access to the Premise to be given based on Dynamically given logic and Conditions. Where Logic, Condition changes based on Customers Requirements and change in Policies on Access management
APPLICATION AREA	MEDIUM & LARGE INDUSTRIES	MEDIUM & LARGE INDUSTRIES	MEDIUM & LARGE INDUSTRIES	SMALL, MEDIUM & LARGE INDUSTRIES	EDUCATION , CONSTRUCTION, GREENFIELD PROJECTS.	SMALL ,MEDIUM & LARGE ORGANIZATION.
INDUSTRY	Manufacturing, Corporate, Construction Transpiration, Logistic, Financial Healthcare & Government	Manufacturing , Construction , transportation ,Logistic Financial , Education , Healthcare & Government	Manufacturing , Construction , transportation ,Logistic Financial , Education , Healthcare & Government	Manufacturing ,Hospitality Construction , transportation ,Logistic Financial , Education , Healthcare & Government	Education, Project Sites, Sports Authority, Municipality	Offices , Gyms, Clubs, Co working Space, Lounges/ Conference Room, Pharmaceutical Industry, R&D Center, Defense ( Restricted areas ) .