X MATCH

X MATCH fingerprint device provides speedy and efficient fingerprint authentication by incorporating the latest technology like PoE, GPRS, USB for Data download. It provides customers with the opportunity to improve and upgrade existing systems at reduced installation and support costs.

Technical Specs :

Number of templates	: 9500
Event Buffers	: 92,000
Max Fingers per user	: Default 2 Finger per user
Operation Modes	: Card Only; UID + Finger; Card + Finger; Finger Only; UID only
Scanner (Sensor)	: High Quality Optical Sensor(SUPREMA)
Card Reader (OPTIONAL)	: Mifare
Exit Reader Port	: Biometric Reader/Card Reader/Egress switch
Communication Port	: TCP/IP, RS232C/GPRS (Optional)/WiFi(Optional)
Power-over-Ethernet	: The LAN Port supports PoE with 24V DC Power Supply (Optional)
USB PEN Drive Interface	: USB PEN Drive Interface for back-up & restore of Transaction data, Template Data in encrypted Mode
LCD	: 3" Graphic LCD with 128 X 64 Pixel with Blue Backlit & White Character for sharp & stylish reading
Keypad	: 16 Key Sealed Capacitive Keypad with 3 Function Keys reserved for Administrative Functions with Password / ass Finger based entry restriction
Human Voice Interface	: Audio Buzzer & Human Voice Speaker (Local Language possible) & Visual Indication using Green LED Indication for Acceptance
Power Supply	: SMPS Power Supply with Continuously operable on 90 -260 V, 50Hz. Ac, No need of Voltage Stabilizer.
Additional Features	: Features like Time Masking, Employee Masking, Paging, Bulletin & Programmable IN/OUT(Break-in & Break-out) feature, Master Card
Battery Back-up (optional)	: Li-Ion Battery with Intelligent Charging for back-up of 2 Hours
Dimension (L X H X D)	: 202 X 90 X 53 mm

Benefits :

- ➢ Scratch resistant best Optical sensor
- ➢ Industry leading fingerprint identification speed.
- ➢ Available with latest smart Card technology
- ➢ User wise Access Modes
- ➢ Suitable for Time Attendance as Well as Access Control applications
- ➢ Adjustable FFR / FAR as per Customer Needs

Key Features :

- ➢ Stores upto 20,000 Users, with 16 Digit Employee ID, Name, Validity, Birthday
- ➢ USB PEN Drive Interface for back-up & restore of Transaction data, Template Data in encrypted Mode
- ➢ Bidirectional Data Push Technology to Server using LAN / Broad Band / GPRS
- ➢ Data transfer in encrypted Mode for controlling the possibility of data hacking
- ➢ Easy template distribution across multiple devices
- ➢ The LAN Port supports PoE with 24V DC Power Supply
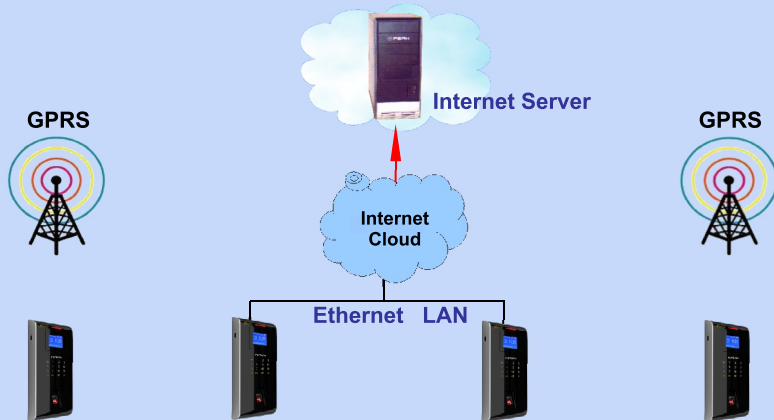- ➢ MIFARE Smart Card Interface with "Finger-on-card" feature (Optional)

FORTUNA

PARTICULARS	SPECIFICATIONS
	Optical
Fingerprint Sensor	: Fully scratch resistant, effective for dry & Wet finger. The biometric fingerprint Sensor is from SUPREMA with best/efficient finger verification algorithm & FVC accreditation. ISO 19794-2 compatible Template with auto-updation of template feature to accommodate changes.
CPU	: 400 MHZ DSP
Resolution (DPI)	: 500+
Image Size (pixels)	: 280 X 320
Sensing Area (mm)	: 16.0 X 19.0
Authentication / Identification	: 1:1& 1:N (User Groups facility for faster verification)
Finger Rotation	: The Biometric reader capable of sensing finger rotation of +/- 30 Deg. with Allowable Finger Displacement: +/- 5 mm
Template Size	: 256 bytes ISO 19794-2 Compatible Template
Template Upload/Download from PC	: YES
Enrollment Time	: 2 Sec
Identification Time: 1000	: < 1 Sec
FAR	: 0.001%
FRR	: 0.1%

Data Transfer to Internet Server on Web

GPRS

Internet Server

GPRS

Internet Cloud

Ethernet   LAN

In this Connectivity Option, all the X-Match's at installation Location(any where in the World) will be connected to Internet using Broad Band. A Online Application will be deployed at the Server. Attendance Data will be pushed in online mode from Attendance Terminals. Data can also be pushed using GPRS connectivity.

AP Ethernet LAN

Wifi

Main Database

Server with Static IP

Connectivity Options :
- ☞ LAN
- ☞ Wifi
- ☞ GPRS
- ☞ Broadband
- ☞ VPN

Broadband

GPRS

INTERNET CLOUD

Office 1

Office 3

Virtual Private Network (VPN)

Office 2

Device with ComCon-IP installed at Remote Location

Devices connected through Broadband, VPN or GPRS, pushes the attendance data to the centralized server. Application software Smart Finger Plus (Web based) will be deployed at the centralized location.

Access Control Features :

Time Zone /Shifts : 8	
Anti Pass Back	: Local using OUT Card Or Biometric Reader
ACS Hardware Features	: Access Control Relay Output, Request-to-Exit Input & Lock Feedback Input for DOTL alarm With proper Screw Termination, Additional Relay output

Compatible Software :

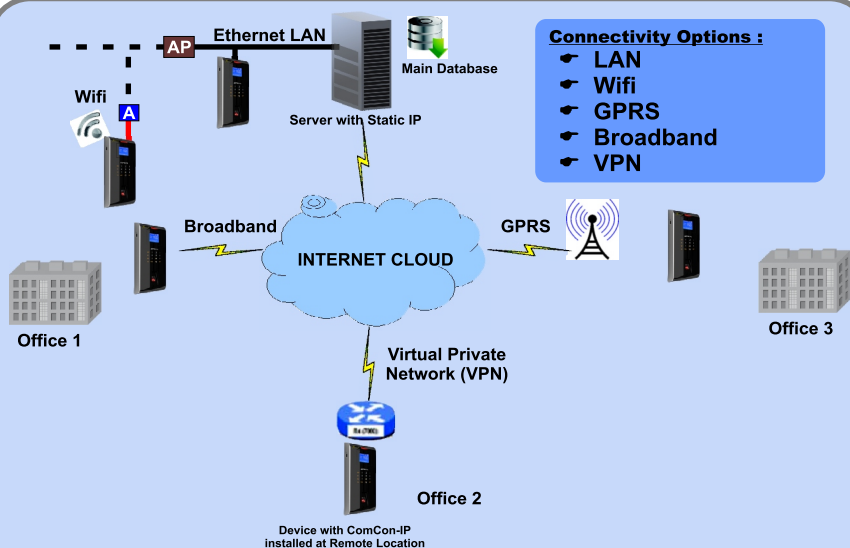|	
Remote Communication Software	: Compro 7(Polling) / DXS Service(Push)
Reporting / Attendance Software	: **TPP++** with MS Access suitable for SME (Free); **TPE** with SQL Server suitable for Industry (Optional); **Swayam Seva :** Web based ESS & MIS Application **Smart Finger :** Terminal & Template Management Software

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