

Smart-PA Display System

(Intelligent Audio-Visual Communication Panel)

A modern stainless-steel integrated system combining **public announcements**, **real-time information display**, and **environmental data monitoring** — designed for corporate office, food industry, schools, institutions, and public halls.



◆ Key Features

- Dual high-fidelity box speakers for clear indoor announcements (**user selectable**)
- 32×16 RGB LED display for vibrant, dynamic visuals
- Real-time clock (RTC) display with time & date
- Live temperature indication
- Scrolling or scheduled message display (**user selectable**)
- Stainless steel (SS) wall-mount design for durability & elegance
- Built-in amplifier and microcontroller control unit
- Compact 600 mm × 400 mm panel footprint (**user customizable**)
- Message Configuration: User selectable via WiFi

⚙️ Technical Specifications

- **Display:** 32×16 RGB LED matrix
- **Enclosure:** SS body with protective finish
- **Speakers:** Dual 80 W box-type/user selectable speaker
- **Controller:** ESP32 / STM32 based
- **Audio Output:** 20 W RMS amplifier/User selectable
- **Connectivity:** Wi-Fi
- **Power Supply:** 230 V AC input
- **Operating Environment:** Indoor

🏠 Applications

- Schools and Colleges
- Corporate and Industrial Campuses
- Railway & Bus Terminals
- Hospitals and Government Buildings
- Public Halls & Indoor Event Venues

An innovation by Akshay Enterprises, Pune