MCU1XXXXE
NETWORK CONTROLLER

- Universe managing device can handle 4 functional modules

- Support auto adaptive 100M/1000M bps network

- Decentralized design in 1 RU size

- Support offline direct paging

- Indication for all of four modules

Product Description

Network Audio Streaming

MCU1XXXE supports audio streaming from AGEND audio server in decentralized format which can run on 100M/1000M bps TCP/IP network. The audio format is WAV 24bit at 48 kHz sampling rate. The total network latency is less than 20ms which is not hearable.

System Scaling

Total capacity of AGEND system is 2000 endpoints and each MCU1XXXXE consume one endpoint address. It can be networked and extended as long as there's network facility. Two way communication can be scaled in terms of supervision, tasks delivery and audio streaming, etc. In cyber security perspective, system communication is protected with both protocol encryption and physical encryption chip.
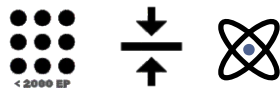
Universe Control Motherboard

All types of modules is able to fit for universe control motherboard which can enable the modules with networking, audio streaming, controls and monitoring. It is built-in with high speed CPU to manage multiple modules at the same time in both offline or online status.

Indications

In front panel of the controller, user can access to system status through indications including the status of the controller and the status of all modules. The indication clearly shows the running status, fault status, protection status and communication status in 2 color format.

Product Specification

sml POWER RUN FAULT PROT COM RUN FAULT PROT COM RUN FAULT PROT COM RUN FAULT PROT COM

Module Online/Offline Status
General Protection Status
General Fault Status
Run Status (module attachment)
Power Status
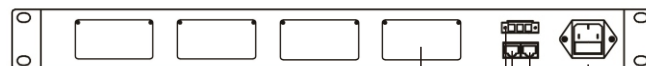
Module Slot
Secondary Power Supply
Ethernet Port
Reserved
Main Power Supply

Power Supply	90 - 240VAC ± 10% 50/60 Hz
Power Consumption	< 10W
Network Interface	1 x RJ45 (Adaptive 100 mbps/1000 mbps)
Indication	1 x POWER / 1 x Controller Status 4 x (RUN / FAULT / PROT / COM)
Compatible Modules	A1 / I1 / O1
Product Dimension	1RU @ 484mm * 44mm * 453mm (W/H/D)
Working Temperature	-5 ℃ - +55℃
Storage Temperature	-20 ℃ - +70℃
Humidity	< 90%