

# NIM-1200-96

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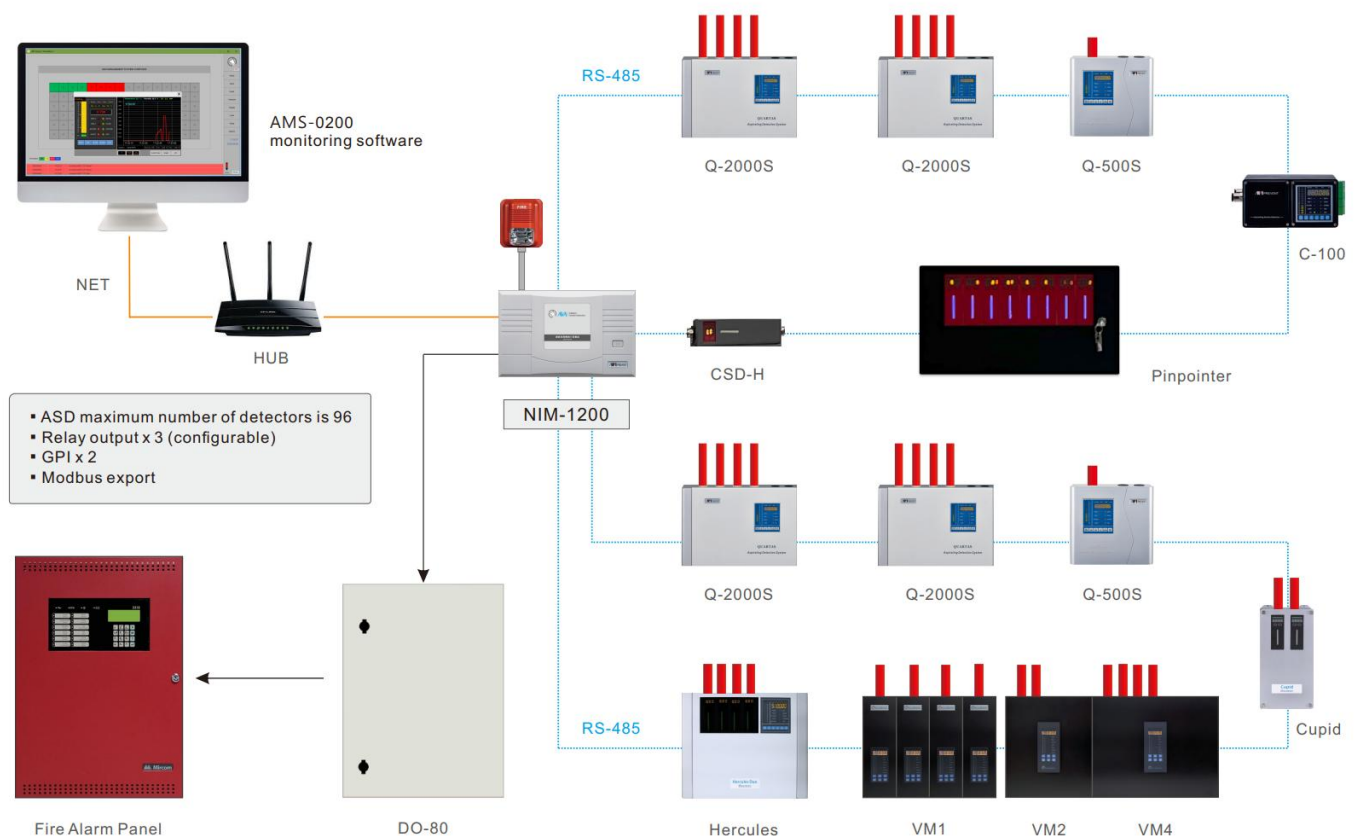
## Network Interface Module

Enhance your AVA Network (AVANet) connectivity with the Networking Interface Module NIM-1200-96. This module seamlessly integrates AVA Aspirating Smoke Detectors (ASD) and Cabinet Smoke Detectors (CSD) into the AVANet RS-485 network, ensuring smooth communication and control across all devices.

With real-time monitoring, users can track the status of all connected devices, including alerts, actions, Fire1, Fire2, and fault signals, providing a comprehensive overview of the system's health. The control panel simplifies the configuration and adjustment of ASD and CSD units, making system setup straightforward. Additionally, it supports remote operations such as reset, isolation, de-isolation, and mute, enabling efficient remote management and troubleshooting

### Product Features

- AVANet Networking Connection up to 96 units of ASD or CSD via 2 Loops
- Optional connection to display via HDMI output or via 15-inch touch screen display
- Real-time active event lists
- Password Access Control
- Comprehensive parameter configuration and commissioning of all AVA Aspirating Smoke Detector
- Connection to AMS-0200 AVA Monitoring Software
- High Level Interface to 3<sup>rd</sup> Party



### AVA PREVENT CO., LTD.

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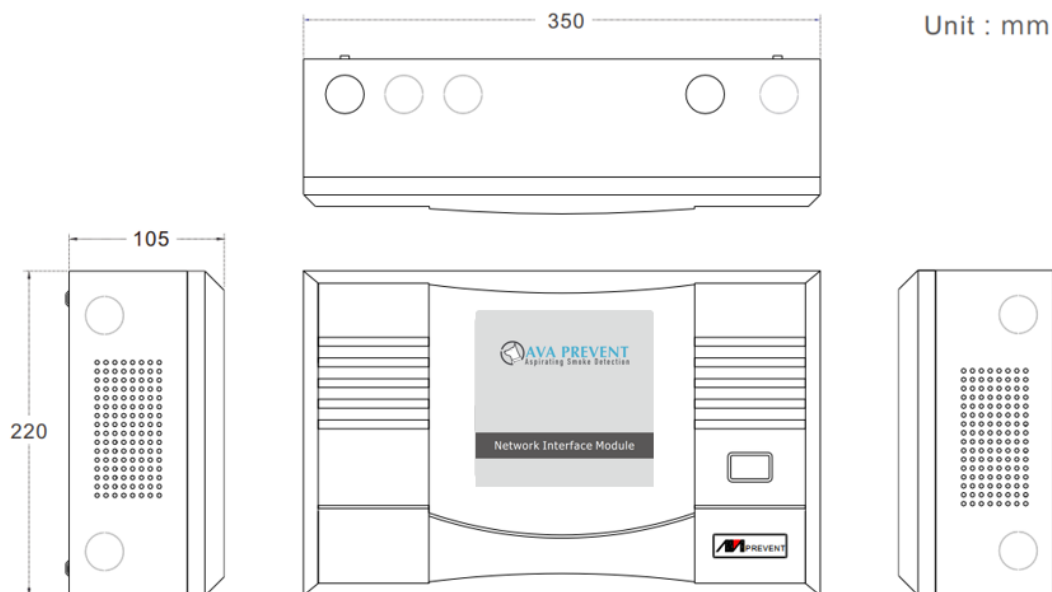
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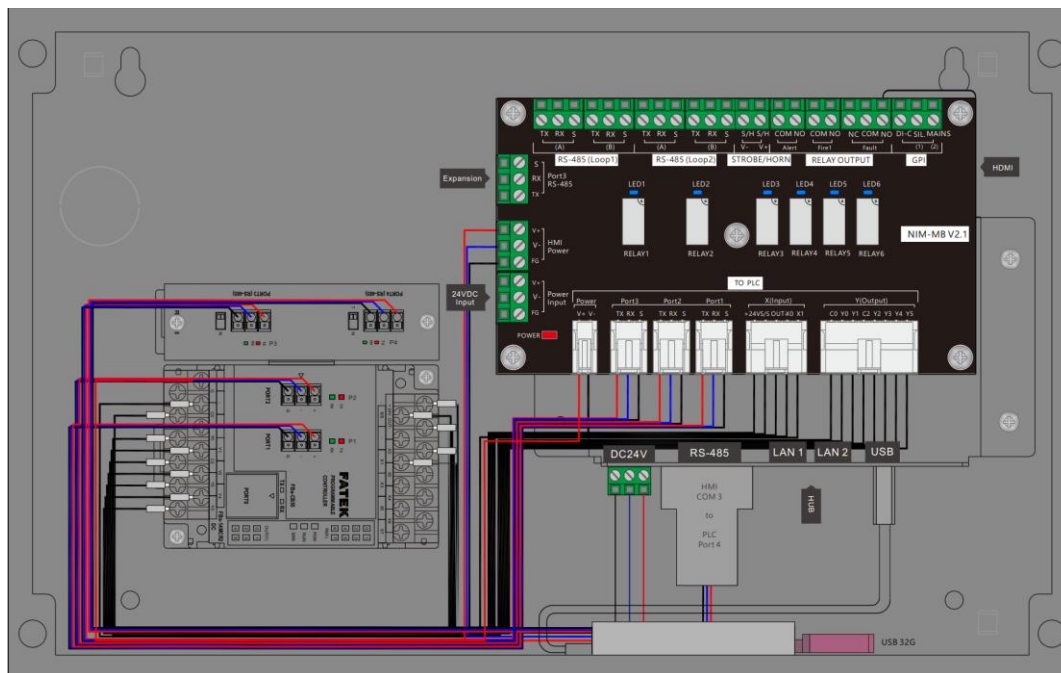
## Network Interface Module

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### Dimension



### Internal Structure



1. HDMI can be connected to large touch display or connected to a computer with network connection

### NIM-1200-80 Specification

- Input Voltage :  $24 \pm 20\%$ VDC
- Current Consumption: 300mA
- Dimension WxHxD (unit:mm) 350 x 220 x 105
- Weight (kg) : 3kg
- Operating Temperature :  $0^{\circ}\text{C}$  to  $50^{\circ}\text{C}$
- Relative Humidity : 10 – 90% (Non Condensation)

### Display

- Connection via HDMI

### CPU and Processor

- CPU Speed: 0.33micro seconds
- Allow Power Off Time : <2mS
- Processor : 32 bits A8 600 MHz
- Voltage Resistance Direct on Controller only : 500VAC (1 minute)
- Insulation Resistance : > 50MOhm at 500VDC
- Calendar : In Build

### Port

- Proprietary Protocol Port : RS-485 x 2
- Ethernet : RJ 45 (10/100 Base-T)
- USB Host : USB 2.0 x 1

### Modbus Protocol

- Ethernet Port
- RS 485

### Digital Input & Digital Output

- Input : 2 x Input
- Relay Output 3 points : (Alarm / Warning / Fault)

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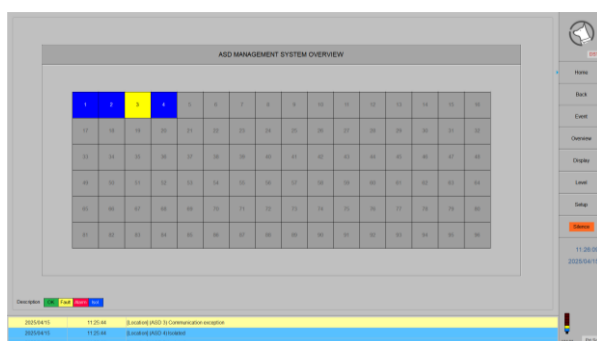
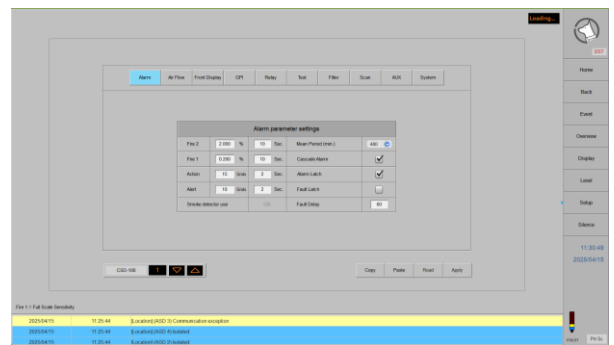
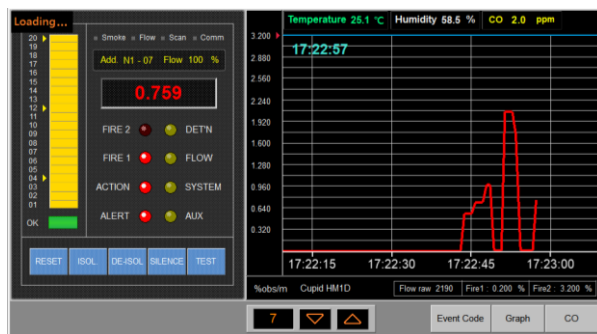
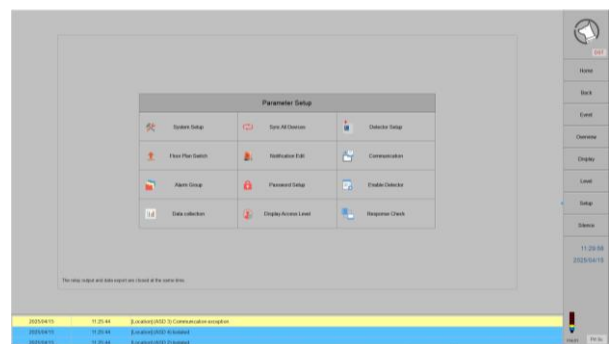
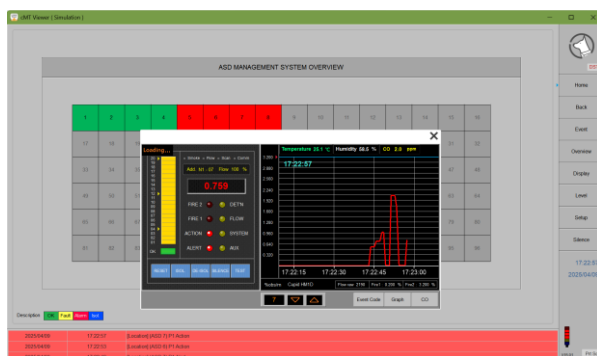
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## Network Interface Module

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### AMS-0200 Alarm Management Software

- Connection via HDMI for display
- Connection via USB for the keyboard and mouse
- System architecture plan
- Monitor area floor plan
- Alarm event provide audio event
- Real time event list and log of history event
- Virtual Repeater Panel display
- History trend graph, support date/time filter
- Comprehensive parameter configuration and commissioning of all AVA Aspirating Smoke Detector
- Network failure trouble-shooting
- 4 Level Password Access Control



### Ordering Information

| Part No.    | Description                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NIM-1200-96 | AVA Network Interface Module NIM with HDMI and USB ports (connected to any size LCD Display) - 2 Loops, 48 devices per loop, w/ 2 x RS-485 and 2 Ethernet, 2 x GPIs, 3 Relays and 1 x NAC |

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