



- Local interface for remote MVAP access panels
- Peer to Peer interfacing
- M Class remote monitored and configured

The MPORT is an M Class access terminal interface port designed primarily to connect remote MVAP access panels to a local PA/GA rack. The MPORT combined with the MVAP allows PSC VODEC M Class PA/GA installations to be truly scalable and easily configured.

The MPORT is mounted at the back of the PA/GA cabinet and Interfaces directly to the local VX/AT central controller. When the optional ZTE4-20 is fitted it can directly support 20 local zones. Each additional MPORT in a system equates to an additional 20 zones, with virtually no limitation on the number of zones possible.

The MPORT includes two independent Ethernet LAN ports for connectivity to remote MVAPs. These LANs may be used in a redundant configuration for installations requiring critical path security. The MPORT also includes an array of general purpose I/O for customer specific requirements and to allow interaction with 3rd party equipment such as fire and gas detection systems.

The MPORT is highly configurable through the M Class GUI server software and it is possible to use it in a number of ways:

- Standard VAP30-20 emulation
- Peer to Peer with another MPORT
- Standalone to connect 3rd party systems to M Class

The MPORT is of standard DIN rail mount form factor and derives its power supply directly from the PA/GA DC 48 V supply, either via its connection to a VX/AT or directly to the DC 48 V distribution block. The MPORT may be cascaded with other access terminal equipment and relative access priority may be set according to system requirements.

The MPORT is designed with established and robust sequential processing technology and without dependency on 3rd party firmware or recourse to an operating system. The MPORT firmware is secure, permanent, and operational virtually instantly on power-up.

The flexible design of the MPORT does allow for firmware updates in the field/after manufacture. However, mechanisms are in place to prevent this happening accidentally or through malicious intent. Field upgradability can also be permanently and irreversibly disabled at any time for applications whose security requirements dictate. The MPORT includes interfacing for an off-board K-Type thermocouple to assist with internal cabinet temperature monitoring.

Configurability

The MPORT includes a default configuration suitable for many standard applications. However, some applications require customized operation and the MPORT is designed to provide flexibility in functional configuration.

The following configurations can be made through the M Class GUI/Server:

- Relationships and rules between inputs and outputs
- Mapping of system level zones and zone groups to local zones
- Routing of signalling and audio streams between MVAPs and other MPORTs

Once the MPORT has been configured it will remember its settings even after loss of power and can operate full function even if the GUI/Server is offline. The MPORT uses secure communications based on trust relationships to prevent spoofing by 3rd parties.

Remote monitoring

The MPORT includes M-LINK bus connections for standard M Class remote monitoring and configuration.

Technical data

Power supply input	DC 48 V unregulated supply
Connectivity	<ul style="list-style-type: none"> - dual LAN 10/100 RJ45 with support for: TCPIP, UDP, SNMP, NTP, DHCP protocols - compatible with P3-PA/GA system components (VX/AT, ZTE4-20, etc.) - M-LINK - loop in, loop out - 5 programmable dry contact outputs (DC 48 V, 3 A, jumper set NC or NO) - 7 open collector outputs (V CE max = 100 V) - 5 opto-coupled inputs (local power or remote options)
Weight	0.4 kg (0.9 lbs)
Dimensions (width x height x depth)	124 mm x 312 mm x 65 mm (4.88 inch x 12.28 inch x 2.56 inch)
Temperature range	0 °C to +50 °C (+32 °F to +122 °F)