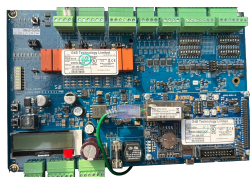


# SYMMETRY

## Symmetry Panel Overview

### Symmetry M4000 Intelligent Controller Series



The Symmetry M4000 is a modern, intelligent door controller, compatible with the Symmetry Access Control software (V9.1+). The panel has an embedded Linux Operating System and an open API. The M4000 supports 4 readers per panel (up to 5 panels and 20 readers per node), and supports OSDP, Wiegand, or AMAG's sMCLP readers.

### Symmetry M2150 Controller Series



The Symmetry M2150 range of door controllers provides distributed intelligence for your access control system and ensures complete system security, resilience and reliability. Each node can support up to 16 doors and readers. Its modular mix and match configuration provides a flexible configuration for any application, including solutions that can scale up to many thousands of doors.

### Symmetry SR Retrofit Controllers



The Symmetry SR series hardware offers the Symmetry controller technology in a form factor that allows installation in unique locations for new and retrofit applications. Utilizing a pluggable backplane architecture, the SR series provides a high-density solution for up to 16 doors in a compact enclosure. This form factor is ideal for upgrading legacy equipment to a state-of-the-art Symmetry solution.

### EN-1DBC+ and EN-2DBC Series



The Symmetry EN-1DBC+ and EN-2DBC series is a powerful IP enabled access control edge device which provides advanced functionality to control one or two doors. It can be powered by either a local power supply or Power over Ethernet (PoE+), substantially reducing installation cost per door. The Symmetry edge network controller is fast and simple to install. Direct network discovery and programming using Symmetry software provides simplified installation.

Models	M4000 Series	M2150 Series	EN Series	SR Series
<b>Description</b>	AMAG's most advanced range of panels, featuring an on-board Linux OS, IGB NIC, OSDP reader protocol and support for up to 1000,000 cardholders.	The M2150 panel range is a mature, reliable panel providing support for Wiegand and MCLP readers.	Designed to be deployed at the edge, the EN range of panels can support 1 - 2 readers per panel.	The SR series is designed to be a pin for pin replacement of legacy Casi Rusco panels for easy installation with no re-wiring required.
<b>General Panel Capabilities</b>				
<b>Encrypted Comms</b>	●	●	●	●
	HTTPS (TLS V1.2)	AES (256-Bit)	AES (256-Bit)	AES (256-Bit)
<b>Onboard O/S</b>	●			
	Linux			
<b>Memory Capacity</b>	1,000,000 Cardholders 65,000 Transactions	20,000 -> 250,000 Cardholders 65,000 Transactions	90,000 Cardholders 18,000 Transactions	200,000 Cardholders 16,000 Transactions
<b>Inter-panel Comms</b>	●			
	Peer-to-Peer	Host (Server) Based	Host (Server) Based	Host (Server) Based
<b>NIC</b>	IGB NIC Standard	10/100 Mbps	10/100 Mbps	10/100 Mbps
<b>Software Addition Support</b>	Professional/Enterprise HSE/Standard	Professional/Enterprise HSE/Standard (Firmware Dependent)	Business/Professional/Enterprise HSE/Standard	Professional/Enterprise HSE only
<b>Reader Protocols</b>				
<b>OSDP</b>	●			
	V2.1.7			
<b>Wiegand</b>	●	●	●	●
	Native Support	Supported via WIM Chip	Native Support	Native support for SR-DC2 Supported via WIU Converter for SR-DC8
<b>MCLP</b>		●	●	
<b>Serial MCLP</b>	●	●	●	
<b>F2F</b>				●
<b>Credential Formats</b>				
<b>Standard Credential Types</b>	All standard credential types (e.g. SmartMAX, AMAG 62-bit etc.) supported by the Symmetry software are supported. * SR 12/15 are not currently supported.	All standard credential types (e.g. SmartMAX, AMAG 62-bit etc.) supported by the Symmetry software are supported.	All standard credential types (e.g. SmartMAX, AMAG 62-bit etc.) supported by the Symmetry software are supported.	All standard credential types (e.g. SmartMAX, AMAG 62-bit etc.) supported by the Symmetry software are supported.
<b>PIV FASC-N Support</b>	●	●		
	See RSM for details.	See RSM for details.		
<b>Long Card Number Support</b>	●			
<b>Custom Credential Types</b>	●			
<b>Number of Facility Codes</b>	Unlimited	8 (Std Edition) Unlimited (HSE Edition)	8 (Std Edition) Unlimited (HSE Edition)	Unlimited (HSE Edition)
<b>Not Supported (M4000). All standard features are supported in the M2150, EN and SR Series.</b>				
<b>Inactive cards on Pin errors</b>		●	●	●
<b>Conditional Card</b>		●	●	●
<b>Visitor Escort</b>		●	●	●
<b>Unescorted Visitor</b>		●	●	●
<b>Escorted Visitor</b>		●	●	●
<b>Toggle Mode (Advanced)</b>		●	●	●
<b>Learn mode</b>		●	●	●