

# MyCore - RS One

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Control Panel

**MAYEKAWA**  
**MYCOM**



**MyCore**  
**-RS One**

[americas.mayekawa.com](http://americas.mayekawa.com)



# Control Panel for Compressors

Your Equipment. Your Data. Your Control.

The MyCore-RS One is Mayekawa's next-generation control platform for MYCOM screw compressors, reciprocating compressors, and chillers. Designed for simplicity and accessibility, RS One delivers browser-based monitoring, advanced operating tools, maintenance tracking, and full software functionality as standard, with no costly upgrades or feature unlocks required.

## Details

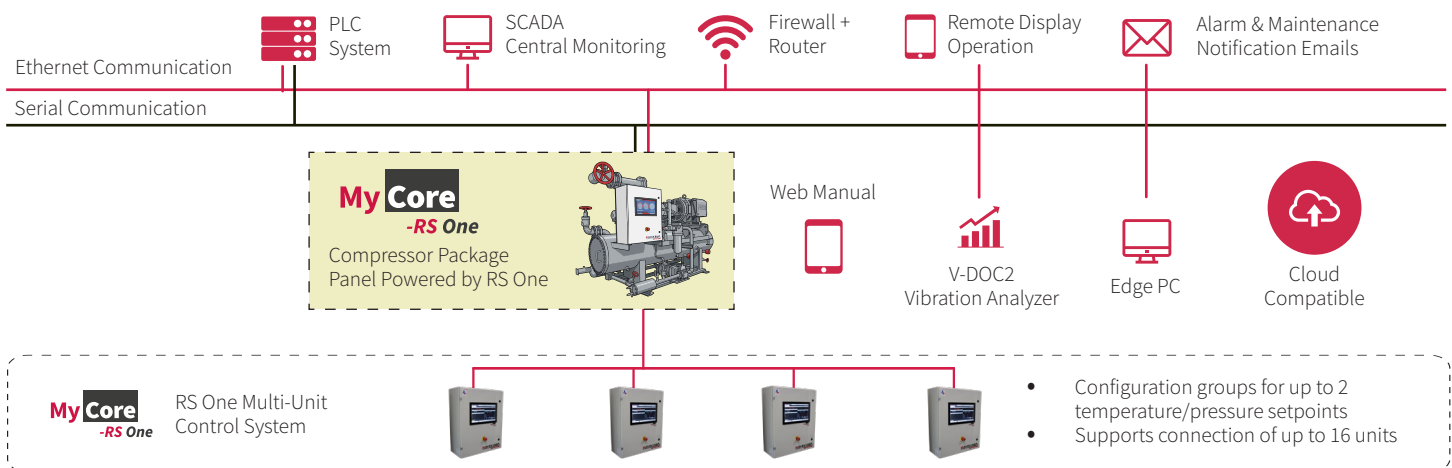
- 15-inch full-color touchscreen HMI with secure remote access for convenient system visibility and control
- Native Modbus TCP communications for seamless integration with existing facility networks
- Real-time monitoring of operating conditions, performance metrics, and critical safety parameters
- Advanced alarm and diagnostic tools that reduce troubleshooting time and improve system uptime
- Variable speed control for optimized energy efficiency & part-load performance
- Intelligent Auto-Staging functionality to achieve maximum plant efficiency
- Flexible communication platform with optional gateways for EtherNet/IP, PROFINET, BACnet/IP, and other leading industrial communication networks

### Technical Specifications

|                                       |                                                                  |
|---------------------------------------|------------------------------------------------------------------|
| Power Supply Voltage                  | AC120V(Standard)<br>AC240V(Available)                            |
| Dimensions                            | 24 × 30 × 10 in                                                  |
| Display                               | 15-inch touchscreen                                              |
| LAN Port                              | RJ45 × 2 (10/100 Mbit/s)                                         |
| Serial Communication                  | RS422/485 × 1<br>(conector D-Sub 9 pins)                         |
| Supported communication protocols     | Modbus RTU, Modbus TCP, EtherNet/IP, Mayekawa Protocol           |
| Certifications / Applicable Standards | UL, cUL, IEC 62443                                               |
| I/O specifications                    | AI/RTD: MAX 32 points<br>AO: MAX 8 points,<br>DIO: MAX 64 points |

## Monitoring and Control Architecture

RS One enables integration with PLCs, SCADA systems, cloud platforms, and monitoring devices, providing centralized supervision, remote access, automatic alarm notifications, and maintenance alerts. The system supports coordinated control of up to 16 compressors, ensuring greater operational efficiency and simplified system management.



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