

Life Is On



SquareD SY/MAX PLC to Modicon Quantum/Modicon M340 with Unity Pro

Upgrading your control system is easier than you think.

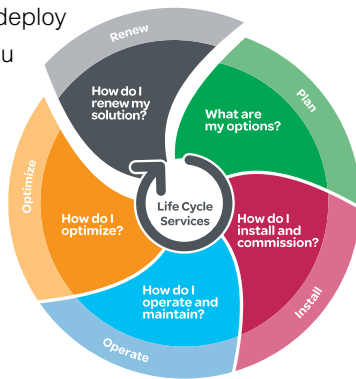
Benefit from modernizing your PLCs:

- Improve process productivity and flexibility
- Reduce unplanned downtime thanks to new technology
- Reduce maintenance costs through standardization
- Capitalize on prior investment by extending your system's lifespan
- Secure and increase data access with the latest industrial networking

Solutions and services for a smoother modernization

At every project, our field services experts deploy proven methodologies and tools, helping you transition to future-ready technology.

- Our unique modernization tools and solutions simplify hardware and software upgrade
- You can upgrade in phases or in one go, depending on your budget
- We minimize disruption by modernizing during planned maintenance



Modicon Quantum



Modicon M340

“The first phase of the migration process was very efficient, taking less than an hour, instead of the typical time frame of several days.”



Mark Mills, Manager of Electrical and Mechanical Department
Hunter Water, Australia


Automated efficiency

Repeatable, reliable processing with our conversion software

Minimal downtime

Typically 1 hour modernization time per eight-slot rack

Legacy I/O and CPU	Targeted CPU	PARTIAL: retain I/O racks and wiring	STEPWISE: change I/O racks, retain wiring	TOTAL: full replacement
SY/MAX I/O	 Modicon Quantum	☑	☑	☑
	 Modicon M340	☑		☑

 Unity Pro	Automatic conversion ¹ of SY/MATE application to Unity Pro	☑
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¹ Some applications may require minor adjustments

Modernization solutions for SquareD SY/MAX

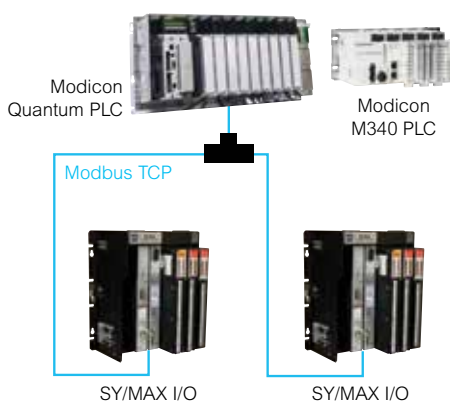
Software upgrade to Unity Pro

Our proprietary software converter enables efficient conversion of your SY/MAX PLC application to the Unity Pro platform:

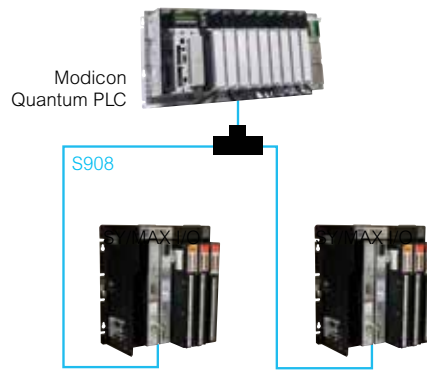
- Retaining your legacy applications and allowing you to selectively enhance them with the latest programming languages, functions, or libraries in Unity Pro
- Giving you access to the latest industrial networks and technologies

Hardware upgrade

PARTIAL PLC upgrade to Modicon Quantum or M340 while retaining legacy I/O racks and wiring:

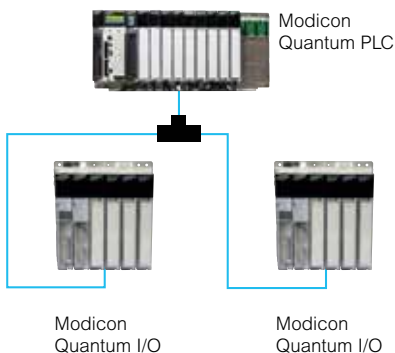


Modicon Quantum or M340 connects to SY/MAX I/O over Modbus/TCP by replacing the CPU or RI module with SERI adapter from Niobrara R&D



Modicon Quantum connects to SY/MAX I/O over S908 through a 8030CRM931 adapter

TOTAL PLC upgrade to Modicon Quantum and new Quantum I/O while retaining field wiring:



Time-saving solutions:

Our quick wiring adapters let you change legacy SquareD SY/MAX I/Os while retaining field wiring:



Wiring adapter



SY/MAX I/O quick wiring adapters mounted on a Quantum PLC

Benefits

For software

- Retention of prior investment in SY/MATE programs
- Mitigation of risks with automatic conversion of legacy programs
- Simplified modernization thanks to limited commissioning

For hardware

- Retention of prior investment in existing racks and/or wiring
- Simplified modernization thanks to no rewiring and reduced commissioning time
- Operational flexibility to upgrade in phases, in case of operational or budget constraints

For more information, contact: migration.team@schneider-electric.com

schneider-electric.com/processautomation

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Schneider Electric