

Need high availability in
performance in your PLC?

Modicon® Premium™
Hot Standby PLC by
Schneider Electric.



Make the most of
your energySM



Modicon TSX Premium PLC

Schneider
Electric

Modicon Premium Hot Standby

Long-term reliability and availability



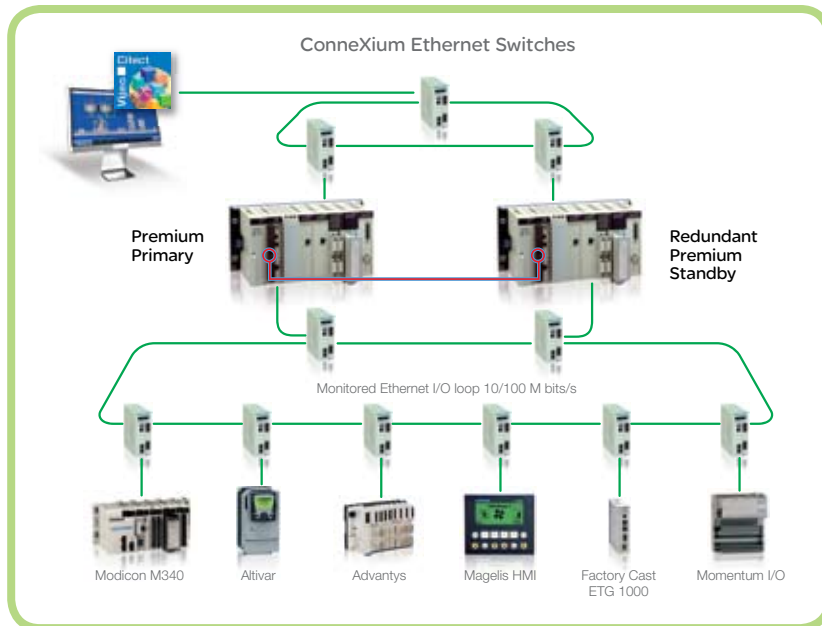
Recognized as a leader for its redundant architectures based on the Modicon Quantum™ PLC, Schneider Electric extends its range of application uses by offering a totally new Modicon Premium Hot Standby system. This system applies the innovative technology inherent within the Unity™ software and the most advanced control features, such as the ability to automatically swap IP and Modbus addresses between the primary and standby PLC on a switch-over.

This makes the Modicon Quantum and Premium Hot Standby PLCs the optimum solution for high availability and performance. To make this possible, a system of automatic data exchanges, during each scan between the primary and standby PLC, allow the Modicon Premium Hot Standby system to be fully ready to take over immediately, keeping your system in a 24/7 state of readiness in order to avoid downtime.

24/7

The Modicon Premium Hot Standby system provides high performance control and fast switch-over for non-time critical applications, keeping your system in a 24/7 state of readiness in order to avoid downtime.

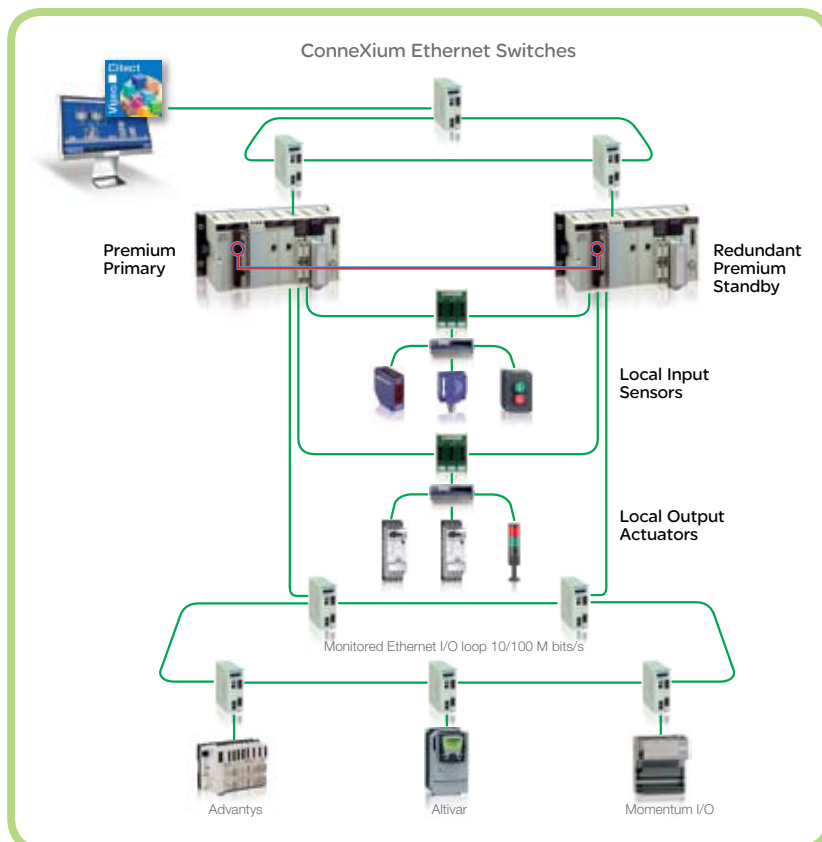
> Typical architecture: Play the Ethernet card



The new Modicon Premium Hot Standby offer shows its capabilities best in Ethernet architectures. It offers total compatibility with the latest Schneider Electric offers and Ethernet-compatible third-party equipment.

Take advantage of winning associations and benefit from this integration by choosing complete solutions using Vijeo Citect supervision software, Altivar® variable speed drives and Advantys™ input/output systems.

> Mixed architecture: Optimize availability of your architecture



To complement the Ethernet structure, you can also duplicate input/output modules (digital and analog) of the Modicon Premium range to achieve high performance switch-over and maximized input/output availability.

> Its mission: Uptime made simple!

Designed for easier development

Unity Pro, can help you to capitalize on your know-how

Now you can develop a redundant application as easily as a single CPU automation application. Thanks to Unity software, there is no need for redundancy-specific programming. You benefit from a user-friendly, IEC 61131-3 environment, retaining your usual development methods.

Smooth development

Reduce project delays with a Hot Standby CPU that integrates perfectly into your existing configurations. You can reuse standard Modicon Premium components (racks, power supplies, input/output, Ethernet cards and Modbus) – only the processor is new.

Impressively efficient operation

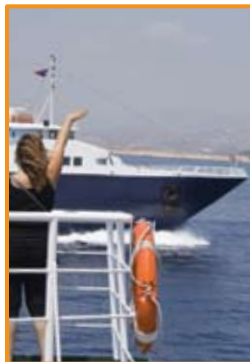
Long-term uptime

Modicon Premium Hot Standby performs automatic switch-over if the primary PLC detects monitored events on in-rack or distributed remote I/O devices.

Ethernet TCP/IP, the winning choice

Ethernet architecture enables construction of a unique bus at all levels, from supervision to field equipment. Adopt a more efficient view of your system:

- Just one knowledge base required
- Standard hardware offer
- Assured compatibility with third-party equipment
- A long-term investment



Continuous Productivity!

Adopt our redundancy system and benefit from transparent switchover for all peripheral equipment on Modbus and Ethernet TCP/IP, thanks to automatic address switch-over between primary and standby programmable controllers.

Greater ingenuity to simplify your maintenance

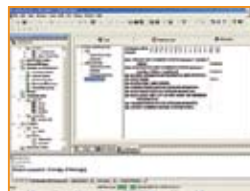
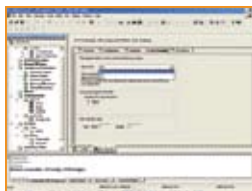
No production shutdown

Our hot-swap feature allows for easy change-out of a module on your Modicon Premium configuration while the system is operating. This is possible because of the automatic reconfiguration that occurs when modules are reinserted.



Remote installation access

From a simple web browser, remotely view your application via embedded web pages for complete diagnostics.



> Selection guide

Characteristics

References	TSXH5724M	TSXH5744M
Number of digital I/Os	1024	2048
Number of analog I/Os	80	256
Number of integrated process control channels	30	60
Maximum number of Ethernet networks	2	4
Maximum memory capacity without PCMCIA	192 Kb	440 Kb
Maximum memory capacity with PCMCIA	768 Kb	2048 Kb
Maximum data storage capacity	8 Mb	16 Mb
Maximum size of localized data	64 Kb	64 Kb
Execution time for boolean instruction	0.039 µs	0.039 µs
Execution time for fixed-point arithmetic instruction	0.054 µs	0.054 µs



Talk to someone you can trust

When we introduced the first programmable controller, we were responding to the needs of our customers for better, more effective machine control. More than 40 years later we continue to listen and work with you to pioneer innovative new ways of delivering value, efficiency and performance.

This commitment has earned us a reputation for dependability, innovation and reliability that is the defining characteristic of Schneider Electric team members from around the world. This includes product specialists, industry experts, distributors, partners and the countless other members of the Schneider Electric family. Each is tasked with continuing our mission to help you make the most of your energy.

Safety & Security. Reliability & Productivity. Aesthetics & Comfort. Efficiency & Sustainability.

Whatever your need Schneider Electric has the solution. Contact your local sales representative today to learn how Schneider Electric can improve operational performance and help your business to achieve a competitive advantage.

To find genuine Schneider Electric Brand PLCs, go to www.us.Schneider-Electric.com/PLC

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