

Automation platforms
Modicon Premium
Hot Standby
Need a *spare?*



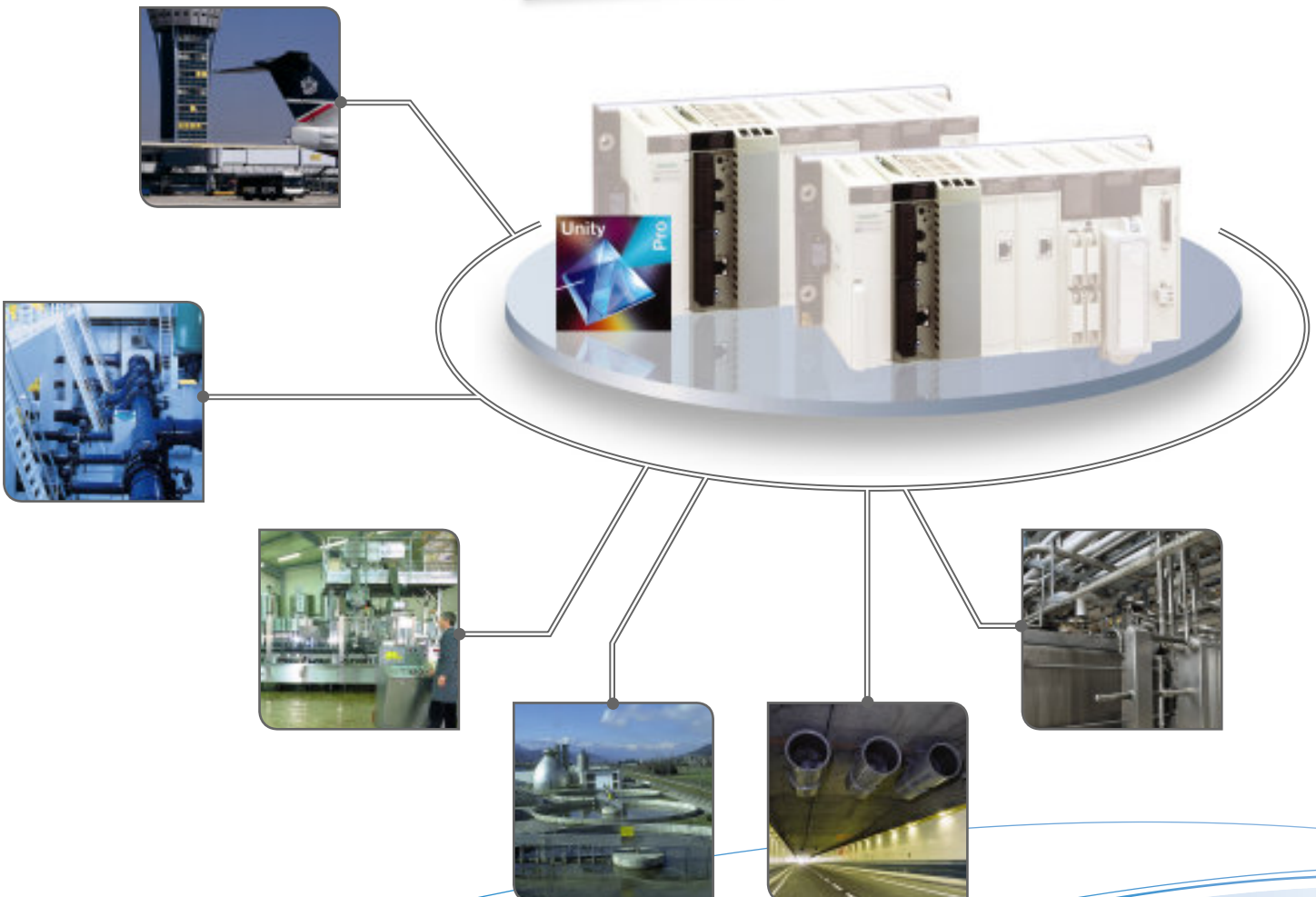
Modicon Premium Hot Standby

Take your precautions!

Recognized for its redundant architectures based on Modicon Quantum, Schneider Electric extends its range by offering a totally new Hot Standby Modicon Premium module.

The **optimum solution** for high **availability** without critical switchover time loss, these two new processors offer remarkable performance. Based on a system of automatic context exchanges during each scan between Primary and Standby, Hot Standby Premium is always ready to take over, ensuring that your installations are available 24/7, avoiding unpleasant surprises...

0.039 μ s for
a Boolean
instruction!



Its mission,
make your life easier!

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, no need for redundancy specific programming. You benefit from a user-friendly, IEC 61131-3 environment, retaining your usual development methods.

Smooth development

No upheaval as the Hot Standby module integrates perfectly in your existing configurations. You can reuse standard modules (racks, power supplies, inputs/outputs, Ethernet cards and Modbus) - only the processor is new.

Impressively efficient operation

Infallible system

Modicon Premium Hot Standby is the guarantee of automatic switchover as the Primary PLC detects errors.

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 and a long-term investment!

Always greater ingenuity!

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

> Availability



> Transparency



Premium

Greater ingenuity to simplify your maintenance

No production shutdown

Easily change a module of your Modicon Premium configuration while the system is operating phase and benefit from automatic reconfiguration at its reinsertion.



Installation remote control

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



Selection guide

Characteristics

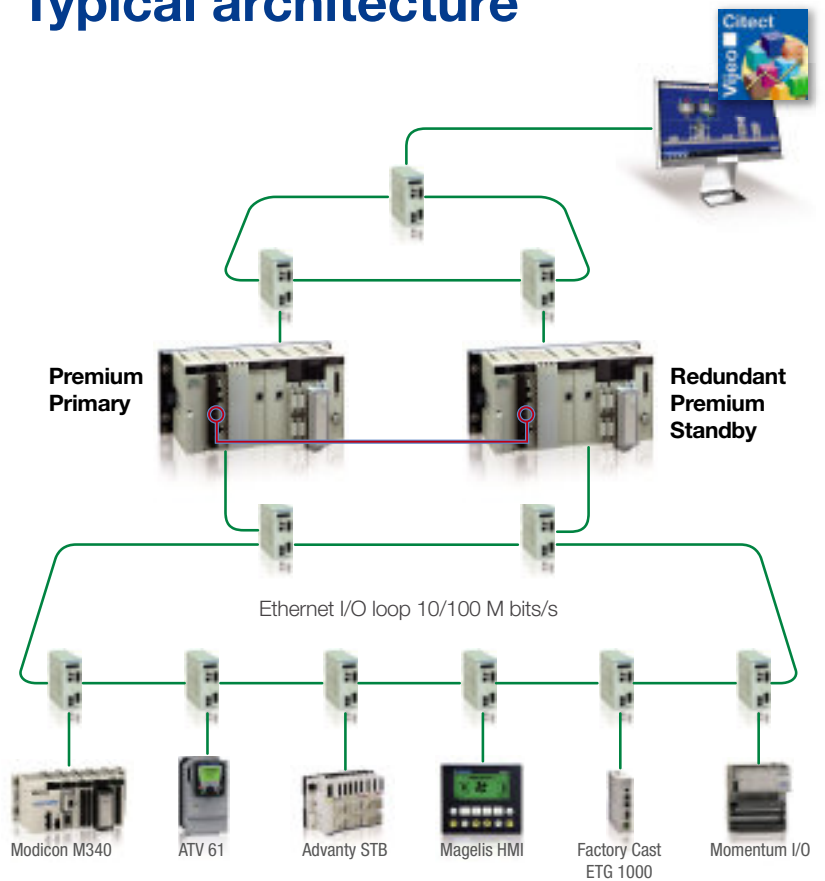
No. of digital I/Os	1024	2048
No. of analog I/Os	80	256
No. of regulation channels	30	60
Max. no. of Ethernet networks	2	4
Max. memory capacity without PCMCIA	192 Kb	440 Kb
Max. memory capacity with PCMCIA	768 Kb	2 048 Kb
Max. data storage capacity	8 Mb	16 Mb
Max. size of localized data	64 Kb	64 Kb
Execution time for boolean instruction	0,039 μ s	0,039 μ s
Execution time for fixed point arithmetic instruction	0,054 μ s	0,054 μ s
References	TSXH5724M	TSXH5744M

Typical architecture

Play the Ethernet card

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

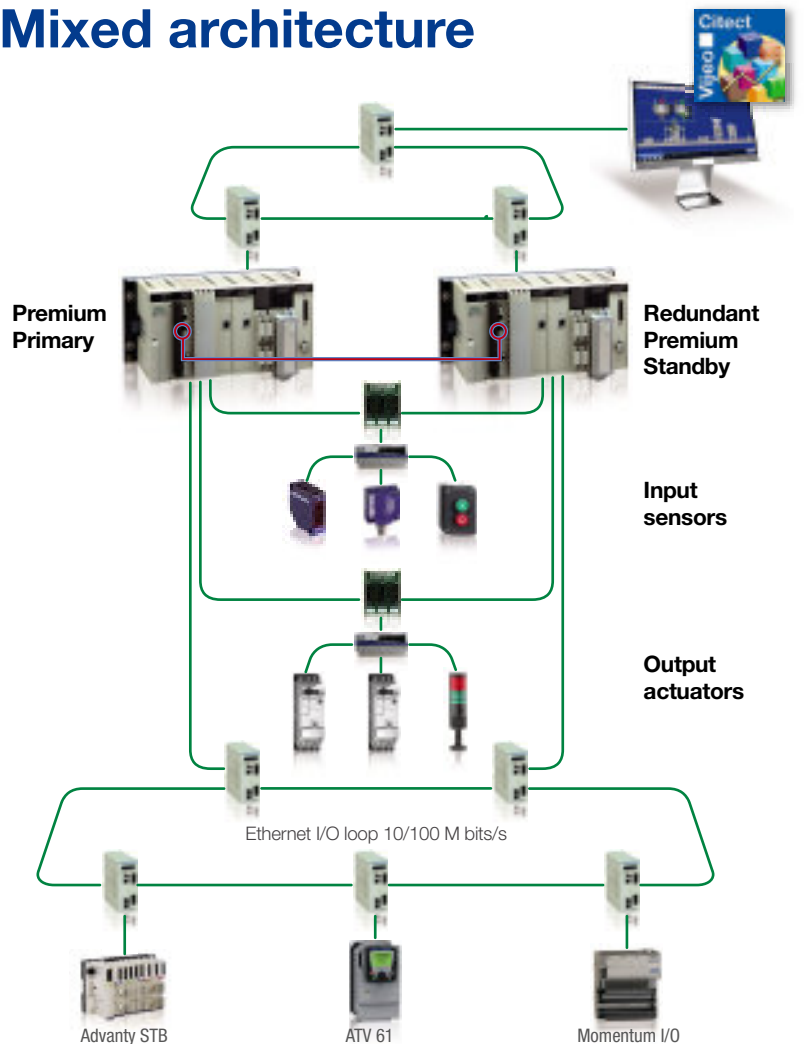
Take advantage of winning associations and benefit from this integration by choosing complete solutions using Vijeo Citect supervision software, Altivar 61 variable speed drives and Advantys STB inputs/outputs.



Mixed architecture

Optimize availability of your architecture

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



The efficiency of Telemecanique branded *solutions*

Used in combination, Telemecanique products provide quality solutions, meeting all your **Automation & Control** application requirements.



A worldwide presence

Constantly available

- More than 13,000 points of sale in 190 countries.
- You can be sure to find the range of products that are right for you and which complies fully with the standards in the country where they are used.

Technical assistance wherever you are

- Our technicians are at your disposal to assist you in finding the optimum solution for your particular needs.
- Schneider Electric provides you with all necessary technical assistance, throughout the world.

www.telemecanique.com

Schneider Electric Industries SAS

Head Office
89, bd Franklin Roosevelt
92506 Rueil-Malmaison
Cedex
FRANCE

www.schneider-electric.com

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