

## Zelio® Logic Programmable Smart Relay

Zelio Logic is a programmable relay. Zelio Logics small size and ease of programming provides a modern and smart alternative to traditional control board with relays, timers, and counters.

Zelio Logic là relay lập trình được. Với kích thước nhỏ gọn và khả năng lập trình dễ dàng, Zelio Logic cung cấp giải pháp hiện đại và thông minh thay thế các bảng điều khiển cổ điển làm bằng relay, bộ đếm và bộ định thời



Unit price (incl.VAT) in VND

### Zelio Logic – Smart Relays Compact – Without display

| Description   | Reference | Unit Price |
|---|-----------|------------|
| 10 I/O, 120-240Vac, 6 inputs, 4 relay outputs, without clock            | SR2D101FU | 3.571.700  |
| 12 I/O, 24Vdc, 8 inputs (4 analogs), 4 relay outputs, with clock        | SR2E121BD | 3.668.500  |
| 12 I/O, 120-240Vac, 8 inputs, 4 relay outputs, with clock               | SR2E121FU | 4.237.200  |
| 20 I/O, 24Vdc, 12 inputs(including analog), 8 relay outputs, with clock | SR2E201BD | 6.128.100  |
| 20 I/O, 120-240Vac, 12 inputs, 8 relay outputs, with clock              | SR2E201FU | 6.397.600  |



### Zelio Logic – Smart Relays Compact (non-expandable) – With Display

| Description  | Reference | Unit Price |
|--|-----------|------------|
| 10 I/O, 24Vdc, 6 inputs, 4 relay outputs, without clock                      | SR2A101BD | 4.517.700  |
| 10 I/O, 120-240Vac, 6 inputs, 4 relay outputs, without clock                 | SR2A101FU | 4.640.900  |
| 20 I/O, 120-240Vac, 12 inputs, 8 relay outputs, without clock                | SR2A201FU | 6.924.500  |
| 12 I/O, 24Vdc, 8 inputs (including 4 analog), 4 relay outputs, with clock    | SR2B121BD | 5.594.600  |
| 12 I/O, 120-240Vac, 8 inputs, 4 relay outputs, with clock                    | SR2B121FU | 5.804.700  |
| 12 I/O, 12Vdc, 8 inputs (including 4 analog), 4 relay outputs, with clock    | SR2B121JD | 5.051.200  |
| 20 I/O, 120-240Vac, 12 inputs, 8 relay outputs, with clock                   | SR2B201FU | 8.615.200  |
| 20 I/O, 24Vdc, 12 inputs(including analog), 8 transistor outputs, with clock | SR2B202BD | 6.342.600  |

### Zelio Logic – Smart Relays Modular – With Display

| Description  | Reference | Unit Price |
|--|-----------|------------|
| 10 I/O, 24Vac, 6 inputs, 4 relay outputs, with clock                             | SR3B101B  | 4.513.300  |
| 10 I/O, 24Vdc, 6 inputs (including 4 analog), 4 relay outputs, with clock        | SR3B101BD | 6.139.100  |
| 10 I/O, 120-240Vac, 6 inputs, 4 relay outputs, with clock                        | SR3B101FU | 5.155.700  |
| 26 I/O, 24Vac, 16 inputs, 10 relay outputs, with clock                           | SR3B261B  | 8.006.900  |
| 26 I/O, 24Vdc, 16 inputs (including 6 analog), 10 relay outputs, with clock      | SR3B261BD | 9.385.200  |
| 26 I/O, 100-240Vac, 16 inputs, 10 relay outputs, with clock                      | SR3B261FU | 8.944.100  |
| 26 I/O, 12Vdc, 16 inputs (including 6 analog), 10 relay outputs, with clock      | SR3B261JD | 8.156.500  |
| 26 I/O, 24Vdc, 16 inputs (including 6 analog), 10 transistor outputs, with clock | SR3B262BD | 7.363.400  |

### Zelio Logic SR3 Digital & Analog Expansion I/O Modules

| Description  | Reference  | Unit Price |
|--|------------|------------|
| 10 pt Digital, 24Vdc, 6 inputs, 4 relay outputs      | SR3XT101BD | 2.193.400  |
| 10 pt Digital, 120-240Vac, 6 inputs, 4 relay outputs | SR3XT101FU | 2.152.700  |
| 14 pt Digital, 24Vdc, 8 inputs, 6 relay outputs      | SR3XT141BD | 3.119.600  |
| 14 pt Digital, 120-240Vac, 8 inputs, 6 relay outputs | SR3XT141FU | 3.248.300  |
| 6 pt Digital, 24Vdc, 4 inputs, 2 relay outputs       | SR3XT61BD  | 1.666.500  |
| 6 pt Digital, 120-240Vac, 4 inputs, 2 relay outputs  | SR3XT61FU  | 1.635.700  |

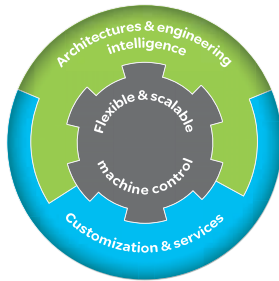
### Zelio Logic - Programming cable and software

| Description                                | Reference | Unit Price     |
|--|-----------|----------------|
| Programming cable for Zelio, USB port      | SR2USB01  | 4.342.800      |
| Zelio Soft, programming software for Zelio |           | Free of charge |

## Modicon M2xx logic controllers

### Modicon™ M2xx logic controllers

Maximize your business and machine performance with MachineStruxure



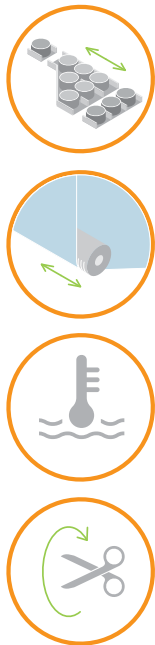
Machine builders like you are constantly looking for new ways to design and build more innovative machines in less time and at lower cost. MachineStruxure™ can help.

The NEXT generation of MachineStruxure is a complete machine automation solution that provides flexible and scalable machine control, ready-to-use architectures, efficient engineering solutions, and comprehensive customization and engineering support services. It can help you meet your challenges for improved efficiency and greater productivity, as well as allow you to deliver higher added value to your customers throughout the entire machine life cycle.

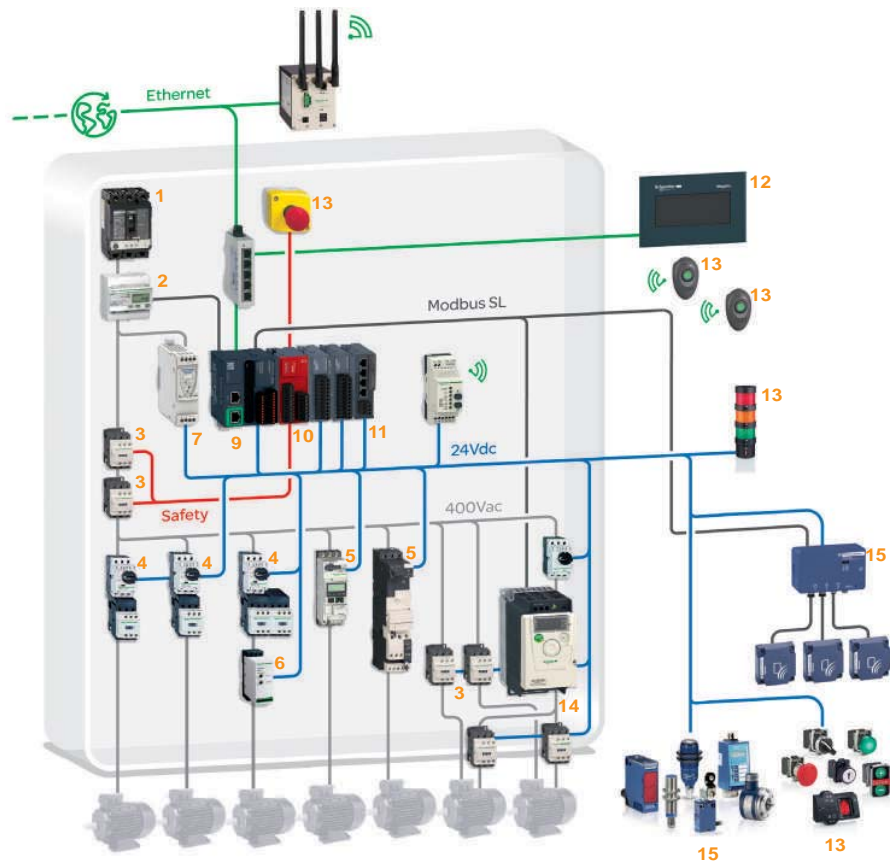
### Ready-to-use architectures and function blocks

Tested, Validated, and Documented Architectures (TVDAs) are just one of the Ways we help you reduce design time.

Whether your machines are simple or complex, Application Function Blocks (AFBs) make system design fast and easy.



Application Function Blocks (AFB)



- |  |  |
|--|--|
| 1 POWERPACT circuit breaker            | 10 Modicon TM3 safety module, Modicon TM3 digital/analog I/O modules |
| 2 Energy meter Acti9 iEM310 iEM310     | 11 Modicon TM3 TeSys motor starter module                            |
| 3 TeSys D contactor                    | 12 Magelis display   |
| 4 TeSys GV2P motor circuit-breaker     | 13 Harmony signalling and control devices                            |
| 5 TeSys U starter-controller           | 14 Altivar 312 variable speed drive                                  |
| 6 Multi9 circuit-breaker C60N          | 15 OsiSense: limit switches and inductive sensors                    |
| 7 Phaseo power supply 24 V ⋯           |  |
| 8 Ethernet switch (unmanaged)          |  |
| 9 <b>Modicon M2xx logic controller</b> |  |

## Programmable Logic Controller - Modicon M2xx

The Modicon M2xx logic controller offer best in class performance. Available also in rack format, the modicon M2xx requires minimal installation and offers tremendous versatility.

PLC Modicon M2xx được thiết kế với hiệu năng cao, đáp ứng hầu hết các nhu cầu dạng trong lĩnh vực chế tạo máy. Bên cạnh đó, với dòng Book được thiết kế theo kiểu mô-đun nhỏ gọn, Modicon M2xx còn có khả năng tối ưu không gian lắp đặt.

Unit price (incl.VAT) in VND

7,753,900

### Modicon M221 logic controller

#### Modicon M221 logic controller - Compact , 24Vdc power supply

| Reference  | Description                                     | Number of logic I/O              | Analog I/O     | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|------------|---|----------------------------------|----------------|----------|---------|-----------------------------|------------|
| TM221C16T  | CONTROLLER M221-16IO TR.SOURCE COMPACT          | 9 input(4 HSC)/ 7output(2 PTO)   | 2 input-0..10V | -        | -       | 1 -                         | 8.296.200  |
| TM221CE16T | CONTROLLER M221-16IO TR.SOURCE ETHERNET COMPACT | 9input(4 HSC)/ 7 input(2 PTO)    | 2 input-0..10V | 1        | -       | 1 -                         | 9.913.200  |
| TM221C24T  | CONTROLLER M221-24IO TR.SOURCE COMPACT          | 14 input(4 HSC)/ 10output(2 PTO) | 2 input-0..10V | -        | -       | 1 -                         | 9.024.400  |
| TM221CE24T | CONTROLLER M221-24IO TR.SOURCE ETHERNET COMPACT | 14 input(4 HSC)/ 10output(2 PTO) | 2 input-0..10V | 1        | -       | 1 -                         | 9.964.900  |
| TM221C40T  | CONTROLLER M221-40IO TR.SOURCE COMPACT          | 24 input(4 HSC)/ 16output(2 PTO) | 2 input-0..10V | -        | -       | 1 -                         | 13.960.100 |
| TM221CE40T | CONTROLLER M221-40IO TR.SOURCE ETHERNET COMPACT | 24 input(4 HSC)/ 16output(2 PTO) | 2 input-0..10V | 1        | -       | 1 -                         | 13.003.100 |



#### Modicon M221 logic controller - Compact , 100-240Vac power supply

| Reference  | Description                                 | Number of logic I/O       | Analog I/O     | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|------------|---|---------------------------|----------------|----------|---------|-----------------------------|------------|
| TM221C16R  | CONTROLLER M221-16IO RELAY COMPACT          | 9 input(4 HSC)/ 7 output  | 2 input-0..10V | -        | -       | 1 -                         | 9.529.300  |
| TM221CE16R | CONTROLLER M221-16IO RELAY ETHERNET COMPACT | 9 input 4 HSC)/ 7 output  | 2 input-0..10V | 1        | -       | 1 -                         | 9.796.600  |
| TM221C24R  | CONTROLLER M221-24IO RELAY COMPACT          | 24 input(4 HSC)/ 10output | 2 input-0..10V | -        | -       | 1 -                         | 8.903.400  |
| TM221CE24R | CONTROLLER M221-24IO RELAY ETHERNET COMPACT | 24 input(4 HSC)/ 10output | 2 input-0..10V | 1        | -       | 1 -                         | 11.524.700 |
| TM221C40R  | CONTROLLER M221-40IO RELAY COMPACT          | 24 input(4 HSC)/ 16output | 2 input-0..10V | -        | -       | 1 -                         | 13.849.000 |
| TM221CE40R | CONTROLLER M221-40IO RELAY ETHERNET COMPACT | 24 input(4 HSC)/ 16output | 2 input-0..10V | 1        | -       | 1 -                         | 14.998.500 |

#### Modicon M221 logic controller - Modular , 240Vdc power supply

| Reference  | Description                                | Number of logic I/O             | Analog I/O    | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|------------|--|---------------------------------|---------------|----------|---------|-----------------------------|------------|
| TM221M16T  | CONTROLLER M221-24IO TR.SOURCE MODULAR     | 8 input(4 HSC)/ 8 output(2 PTO) | 2input-0..10V | -        | -       | 2 -                         | 8.792.300  |
| TM221ME16T | CONTROLLER M221-24IO TR.SOURCE ETH MODULAR | 8 input(4 HSC)/ 8 output(2 PTO) | 2input-0..10V | 1        | -       | 1 -                         | 9.783.400  |



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Unit price (incl.VAT) in VND

### Modicon M221 logic controller

#### Modicon M221 logic controller - Modular , 100-240Vac power supply

| Reference   | Description                                   | Number of logic I/O        | Analog I/O     | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|-------------|---|----------------------------|----------------|----------|---------|-----------------------------|------------|
| TM221M16R   | CONTROLLER M221-16IO RELAY MODULAR            | 8 input(4HSC)/<br>8 output | 2 input-0..10V | -        | -       | <b>TM221M16R</b>            | 8.767.000  |
| TM221M16RG  | CONTROLLER M221-16IO RELAY SPRING MODULAR     | 8 input(4HSC)/<br>8 output | 2 input-0..10V | -        | -       | <b>TM221M16RG</b>           | 8.628.400  |
| TM221ME16RG | CONTROLLER M221-16IO RELAY ETH SPRING MODULAR | 8 input(4HSC)/<br>8 output | 2 input-0..10V | 1        | -       | <b>TM221ME16RG</b>          | 9.783.400  |

#### Modicon M221 logic controller - Modular , 24Vdc power supply (connect via HE10 connector)

| Reference      | Description                                | Number of logic I/O                | Analog I/O   | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|----------------|--|------------------------------------|--------------|----------|---------|-----------------------------|------------|
| TM221M32TK(*)  | CONTROLLER M221-32IO TR.SOURCE MODULAR     | 16 input(4HSC)/<br>16 output(2PTO) | 2 input-010V | -        | -       | <b>TM221M32TK</b>           | 9.755.900  |
| TM221ME32TK(*) | CONTROLLER M221-32IO TR.SOURCE ETH MODULAR | 16 input(4HSC)/<br>16 output(2PTO) | 2 input-01V  | 1        | -       | <b>TM221ME32TK</b>          | 10.761.300 |

#### Modicon M241 logic controller, 24Vdc power supply

| Reference   | Description                                    | Number of logic I/O                | Analog I/O | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|-------------|--|------------------------------------|------------|----------|---------|-----------------------------|------------|
| TM241C24T   | CONTROLLER M241-24IO TR.SOURCE                 | 14 input(8HSC)/<br>10 output(4PTO) | -          | -        | -       | <b>TM241C24T</b>            | 16.341.600 |
| TM241CE24T  | CONTROLLER M241-24IO TR.SOURCE ETHERNET        | 14 input(8HSC)/<br>16 output(4PTO) | -          | 1        | -       | <b>TM241CE24T</b>           | 19.492.000 |
| TM241CEC24T | CONTROLLER M241-24IO TR.SOURCE ETH. CAN MASTER | 14 input(8HSC)/<br>16 output(4PTO) | -          | 1        | 1       | <b>TM241CEC24T</b>          | 23.721.500 |



#### Modicon M241 logic controller, 100-240Vdc power supply

| Reference   | Description                                    | Number of logic I/O                | Analog I/O | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|-------------|--|------------------------------------|------------|----------|---------|-----------------------------|------------|
| TM241C24R   | CONTROLLER M241-24IO RELAY                     | 14 input(8HSC)/<br>10 output(4PTO) | -          | -        | -       | <b>TM241C24R</b>            | 16.238.200 |
| TM241CE24R  | CONTROLLER M241-24IO RELAY ETHERNET            | 14 input(8HSC)/<br>16 output(4PTO) | -          | 1        | -       | <b>TM241CE24R</b>           | 19.270.900 |
| TM241CEC24R | CONTROLLER M241-24IO RELAY ETHERNET CAN MASTER | 14 input(8HSC)/<br>10 output(4PTO) | -          | 1        | 1       | <b>TM241CEC24R</b>          | 23.860.100 |

### Modicon M251 logic controller

#### Modicon M251 logic controller, 24Vdc power supply

| Reference | Description                 | Number of logic I/O | Analog I/O | Ethernet | CANopen | Serial links RJ45 Screw ter | Unit Price |
|-----------|-----------------------------|---------------------|------------|----------|---------|-----------------------------|------------|
| TM251MESE | CONTROLLER M251-2X ETHERNET |                     |            |          |         | <b>TM251MESE</b>            | 17.534.000 |



## Programmable Logic Controller - Modicon M2xx

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TM3DI8G



TM3DI8

Unit price (incl.VAT) in VND

Screw

### I/O Digital Module

#### Modicon M2xx

| Reference    | Description                          | Type of channels   | Analog/I/O | I/O type          | Cable connection | Unit Price |
|--------------|--------------------------------------|--------------------|------------|-------------------|------------------|------------|
| TM3DI8       | MODULE TM3-8 INPUTS                  | 8 inputs           | -          | Sink/source       | Screw            | 2.726.900  |
| TM3DI8G      | MODULE TM3-8 INPUTS SPRING           | 8 inputs           | -          | Sink/source       | Spring           | 2.726.900  |
| TM3DI16      | MODULE TM3-16 INPUTS                 | 16 inputs          | -          | Sink/source       | Screw            | 3.854.400  |
| TM3DI16G     | MODULE TM3-16 INPUTS SPRING          | 16 inputs          | -          | Sink/source       | Spring           | 3.854.400  |
| TM3DI16K(*)  | MODULE TM3-16 INPUTS HE10            | 16 inputs          | -          | Sink/source       | HE 10            | 3.111.900  |
| TM3DI32K(*)  | MODULE TM3-32 INPUTS HE10            | 32 inputs          | -          | Sink/source       | HE 10            | 5.431.800  |
| TM3DQ8R      | MODULE TM3-8 OUTPUTS RELAYS          | 8 outputs          | -          | Relay             | Screw            | 3.056.900  |
| TM3DQ8RG     | MODULE TM3-8 OUTPUTS RELAYS SPRING   | 8 outputs          | -          | Relay             | Spring           | 2.707.100  |
| TM3DQ16R     | MODULE TM3-16 OUTPUTS RELAYS         | 16 outputs         | -          | Relay             | Screw            | 4.323.000  |
| TM3DQ16RG    | MODULE TM3-16 OUTPUTS RELAYS SPRING  | 16 outputs         | -          | Relay             | Spring           | 4.323.000  |
| TM3DQ8T      | MODULE TM3-8 OUTPUTS TR.SOURCE       | 8 outputs          | -          | Source            | Screw            | 2.756.600  |
| TM3DQ16T     | MODULE TM3-16 OUTPUTS TR.SOURCE      | 16 outputs         | -          | Source            | Screw            | 3.958.900  |
| TM3DQ16TK(*) | MODULE TM3-16 OUTPUTS TR.SOURCE HE10 | 16 outputs         | -          | Source            | HE 10            | 2.798.400  |
| TM3DQ32TK(*) | MODULE TM3-32 OUTPUTS TR.SOURCE HE10 | 32 outputs         | -          | Source            | HE 10            | 5.524.200  |
| TM3DM8R      | MODULE TM3-8 IO RELAYS               | 4 inputs/4outputs  | -          | Sink/source/Relay | Screw            | 2.857.800  |
| TM3DM8RG     | MODULE TM3-8 IO RELAYS SPRING        | 4 inputs/4outputs  | -          | Sink/source/Relay | Spring           | 2.348.500  |
| TM3DM24R     | MODULE TM3-24 IO RELAYS              | 16 inputs/8outputs | -          | Sink/source/Relay | Screw            | 5.426.300  |
| TM3DM24RG    | MODULE TM3-24 IO RELAYS SPRING       | 16 inputs/8outputs | -          | Sink/source/Relay | Spring           | 5.426.300  |
| TM3DQ8U      | MODULE TM3-8 OUTPUTS TR.SINK         | 8 outputs          | -          | Sink              | Screw            | 2.630.100  |
| TM3DQ16U     | MODULE TM3-16 OUTPUTS TR.SINK        | 16 outputs         | -          | Sink              | Screw            | 3.345.100  |
| TM3DQ16UK(*) | MODULE TM3-16 OUTPUTS TR.SINK HE10   | 16 outputs         | -          | Sink              | HE 10            | 2.773.100  |
| TM3DQ32UK(*) | MODULE TM3-32 OUTPUTS TR.SINK HE10   | 32 outputs         | -          | Sink              | HE 10            | 5.285.500  |

(\*) Cable connection: HE 10

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Unit price (incl.VAT) in VND

Screw

### I/O Analog Module 24Vdc

#### Modicon M2xx

| Reference | Description  | Type of channels                      | Analog                 | I/Orange   | Resolution  | Cable connection | Unit Price |
|-----------|--|---------------------------------------|------------------------|--|---|------------------|------------|
| TM3AI2H   | MODULE<br>TM3-2ANALOG INPUTS<br>HIGH RES.          | Voltage/<br>current                   | 2 inputs               | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 16 bits or<br>15 bits + sign  | <b>Screw</b>     | 6.207.300  |
| TM3AI2HG  | MODULE<br>TM3-2ANALOG INPUTS<br>HIGH RES. SPRING   | Voltage/<br>current                   | 2 inputs               | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 16 bits or<br>15 bits + sign  | <b>Spring</b>    | 6.207.300  |
| TM3AI4    | MODULE<br>TM3-4ANALOG INPUTS                       | Voltage/<br>current                   | 4 inputs               | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Screw</b>     | 6.807.900  |
| TM3AI4G   | MODULE<br>TM3-4ANALOG INPUTS<br>SPRING             | Voltage/<br>current                   | 4 inputs               | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Spring</b>    | 5.781.600  |
| TM3AI8    | MODULE<br>TM3-8ANALOG INPUTS                       | Voltage/<br>current                   | 8 inputs               | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Screw</b>     | 7.938.700  |
| TM3AI8G   | MODULE<br>TM3-8ANALOG INPUTS<br>SPRING             | Voltage/<br>current                   | 8 inputs               | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Spring</b>    | 7.865.000  |
| TM3TI4    | MODULE<br>TM3-4 INPUTS<br>TEMPERATURE              | Voltage/<br>current<br>or temperature | 4 inputs               | Thermocouples<br>Temperature probes,<br>-10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 16 bits or<br>15 bits + sign  | <b>Screw</b>     | 8.054.200  |
| TM3TI4G   | MODULE<br>TM3-4 INPUTS<br>TEMPERATURE SPRING       | Voltage/<br>current<br>or temperature | 4 inputs               | Thermocouples<br>Temperature probes,<br>-10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 16 bits or<br>15 bits + sign  | <b>Spring</b>    | 8.054.200  |
| TM3TI8T   | MODULE TM3-8 INPUTS<br>TEMPERATURE                 | temperature                           | 8 inputs               | Thermocouples,<br>PTC, NTC   | 16 bits or<br>15 bits + sign  | <b>Screw</b>     | 8.676.800  |
| TM3TI8TG  | MODULE TM3-8 INPUTS<br>TEMPERATURE SPRING          | temperature                           | 8 inputs               | Thermocouples,<br>TC, NTC  | 16 bits or<br>15 bits + sign  | <b>Spring</b>    | 8.676.800  |
| TM3AQ2    | MODULE<br>TM3-2ANALOG<br>OUTPUTS                   | Voltage/ current                      | 2 outputs              | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Screw</b>     | 6.826.600  |
| TM3AQ4    | MODULE<br>TM3-4ANALOG<br>OUTPUTS                   | Voltage/ current                      | 4 outputs              | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Screw</b>     | 7.218.200  |
| TM3AQ4G   | MODULE<br>TM3-4ANALOG<br>OUTPUTS SPRING            | Voltage/ current                      | 4 outputs              | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Spring</b>    | 7.272.100  |
| TM3AM6    | MODULE<br>TM3-4ANALOG<br>IN. 2ANALOG OUT.          | Voltage/ current                      | 4 inputs/<br>2 outputs | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Screw</b>     | 9.061.800  |
| TM3AM6G   | MODULE<br>TM3-4ANALOG<br>IN. 2ANALOG OUT. SPRING   | Voltage/ current                      | 4 inputs/<br>2 outputs | -10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA  | 12 bits or<br>11 bits + sign  | <b>Spring</b>    | 7.821.000  |
| TM3TM3    | MODULE<br>TM3-2 TEMP INPUTS<br>1ANALOG OUT.        | Voltage/<br>current<br>or temperature | 2 inputs/<br>1 outputs | Thermocouples,<br>Temperature probes,<br>-10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA | 16 bits or<br>15 bits + sign (for output)/<br>12 bits or<br>11 bits + sign (for output) | <b>Screw</b>     | 8.196.100  |
| TM3TM3G   | MODULE<br>TM3-2 TEMP INPUTS<br>1ANALOG OUT. SPRING | Voltage/<br>current<br>or temperature | 2 inputs/<br>1 outputs | Thermocouples,<br>Temperature probes,<br>-10..+10Vdc, 0..+10V/<br>0..20 mA, 4..20 mA | 16 bits or<br>15 bits + sign (for output)/<br>12 bits or<br>11 bits + sign (for output) | <b>Spring</b>    | 7.309.500  |



TM3AI2H



TM3AI4H

## Programmable Logic Controller - Modicon M2xx

The Modicon M2xx logic controller offer best in class performance. Available also in book format, the modicon M2xx requires minimal installation and offers tremendous versatility.

PLC Modicon M2xx được thiết kế với hiệu năng cao, đáp ứng hầu hết các nhu cầu dạng trong lĩnh vực chế tạo máy. Bên cạnh đó, với dòng Book được thiết kế theo kiểu mô-đun nhỏ gọn, Modicon M2xx còn có khả năng tối ưu không gian lắp đặt.

Unit price (incl.VAT) in VND

### Accessories

| Reference  | Description                                 | M221 | M241 | M251 | Unit Price |
|------------|---|------|------|------|------------|
| TMH2GDB    | Remote graphic display                      | x    | x    | x    | 6.141.300  |
| TMAT2MSET  | CONNECTOR SET for M221M and TM3 - IO        | x    |      |      | 1.548.800  |
| TMC2AI2    | CONNECTOR SET for M221M and TM3 - IO Spring | x    |      |      | 2.511.300  |
| TMC2TI2    | CARTRIDGE M221-2 ANALOG CURRENT INPUTS      | x    |      |      | 2.731.300  |
| TMAT2MSETG | CARTRIDGE M221-2 TEMPERATURE INPUTS         | x    |      |      | 815.100    |
| TMC2AQ2V   | CARTRIDGE M221-2 ANALOG VOLTAGE OUTPUTS     | x    |      |      | 2.706.000  |
| TMC2AQ2C   | CARTRIDGE M221-2 ANALOG CURRENT OUTPUTS     | x    |      |      | 3.033.800  |
| TMC2SL1    | CARTRIDGE M221-1 SERIAL LINE                | x    |      |      | 3.127.300  |
| TMC2CONV01 | CARTRIDGE M221-CONVEYING 1 SERIAL LINE      | x    |      |      | 3.536.500  |
| TMAT4CSET  | CONNECTOR SET for M241 - IO                 |      | x    |      | 1.900.800  |
| TMC4AI2    | CARTRIDGE M241-2 ANALOG INPUTS              |      | x    |      | 5.121.600  |
| TMC4AQ2    | CARTRIDGE M241-2 ANALOG OUTPUTS             |      | x    |      | 5.871.800  |
| TMC4HOIS01 | CARTRIDGE M241-HOISTING 1 ANALOG INPUT      |      | x    |      | 7.159.900  |
| TMC4TI2    | CARTRIDGE M241-2 TEMPERATURE INPUTS         |      | x    |      | 6.107.200  |
| TM4ES4     | MODULE NETWORK TM4-4 Ethernet switches      |      | x    | x    | 9.611.800  |
| TM4PDPS1   | MODULE NETWORK TM4-1 Profibus DP slave      |      | x    | x    | 14.570.600 |
| TMASD1     | MEMORY CARD 256MB for M2xx controller       | x    | x    | x    | 1.542.200  |



TMH2GDB



TMAT2MSET



TMC2AI2



TMC2TI2



TMAT2MSETG



TMC2AQ2V



TMC2AQ2C

# Programmable Logic Controller - Modicon M2XX

TM3 - I/O expansion modules for Modicon controllers



Unit price (incl.VAT) in VND

### Ethernet Bus coupler module

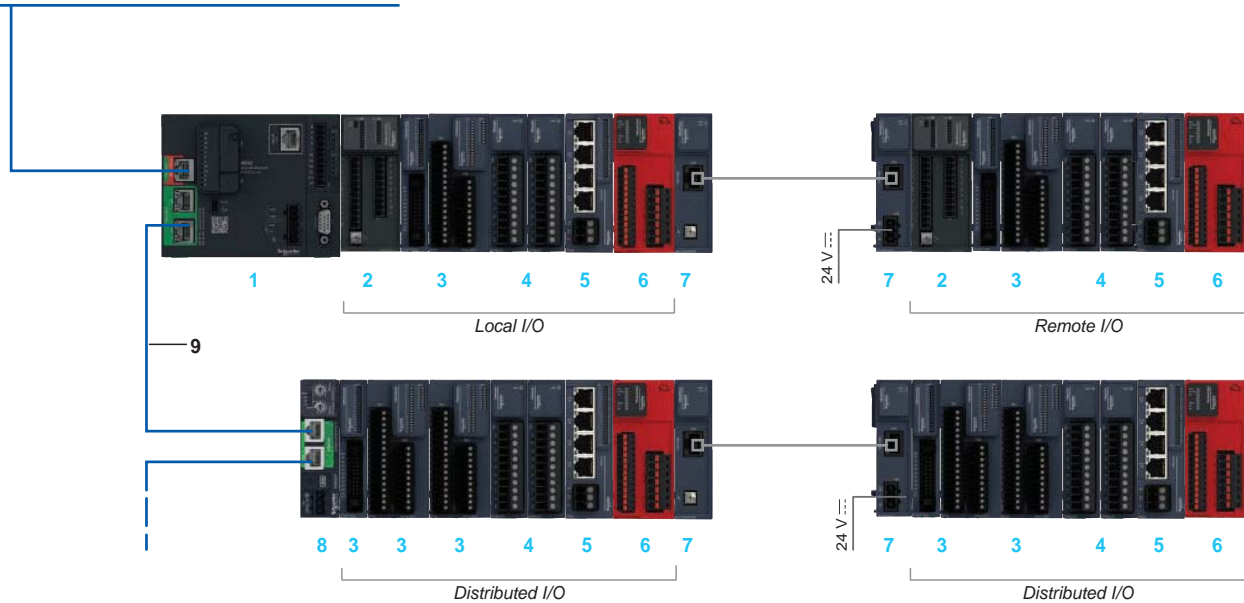
| Designation                             | Characteristics                        | Reference | Unit price |
|---|--|-----------|------------|
| Bus coupler module for Ethernet network | EtherNet/IP and Modbus/TCP protocols T | TM3BCEIP  | 8.075.100  |



### Presentation

The TM3BCEIP bus coupler module is used to create distributed I/O islands, managed by a master controller via the Ethernet communication network, and to exchange data using the EtherNet/IP and Modbus/TCP protocols between the controllers and the distributed I/O on the Ethernet network. It is compatible with Modicon M221 (1), M241, and M251 logic controllers and Modicon M262 logic/motion controller.

Ethernet



- 1 Modicon M262 logic/motion controller
- 2 TM3 axperf counter module (event management available on first two slots only)
- 3 Digital I/O modules
- 4 Analog I/O modules
- 5 Expertmodule for controlling TeSys U motor starters
- 6 Functional safety modules (transmitter and receiver and bus)
- 7 expansion cable
- 8 TM3BCEIP bus coupler module (several bus coupler are allowed)
- 9 Shielded cable

### Specific features

- Embedded Web server
- Embedded cybersecurity (Achilles L1) and user access rights management via a Web server
- Two isolated RJ48 ports on the front of the module for communication over Ethernet (the second port can be connected to other devices in a daisy chain or ring topology)
  - Ethernet half duplex/full duplex service, autonegotiation, and auto-MDIX supported
  - 10/100 Mbps data transfer rate (physical layer interface in RMI mode, with automatic cable detection supported)

### Ethernet services

- EtherNet/IP Adapter
- Modbus/TCP/IP server
- EtherNet/IP protocol version: IPv4, limited use of IPv6 (only default @)
- RSTP ring topology supported
- Simple Network Management Protocol (SNMP)
- Devices Profile for Web Services (DPWS)
- FDRclient
- DHCPclient
- BOOTP client
- Address conflict detection

### Configuration

The TM3BCEIP bus coupler module connects to Modicon M241 and Modicon M251 logic controllers and Modicon M262 logic/motion controller according to the general rules for the TM3 system: 7 local modules max. plus 7 remote or distributed modules.



Web server