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ⓘ Restricted Sales for Services

Main

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|---------------------------|-------------------------------------|
| Range of product | Modicon Premium Automation platform |
| Product or component type | Unity processor |
| Software designation | Unity Pro |

Complementary

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|---|---|
| Concept | Transparent Ready |
| Number of racks | 16 4/6/8 slots 8 12 slots |
| Number of slots | 128 64 96 |
| Discrete I/O processor capacity | 1024 I/O |
| Analogue I/O processor capacity | 128 I/O |
| Number of application specific channel | 32 |
| Number of process control channel | 15 up to 45 simple loops |
| Integrated connection type | Non isolated serial link 2 female mini DIN connector (RS485) (19.2/115 kbit/s) Ethernet TCP/IP RJ45 connector |
| Port Ethernet | 10BASE-T/100BASE-TX |
| Communication module processor capacity | 2 1 3 8 |
| Memory description | Internal RAM (with PCMCIA card) 1792 kB program Internal RAM (with PCMCIA card) 192 kB data Internal RAM (without PCMCIA card) 192 kB program and data PCMCIA card 16384 kB additional data storage |
| Maximum size of object areas | 16384 %Mi located internal bits 64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data 64 kB (elementary and derived data) unlocated internal data |
| Application structure | 64 event tasks 1 master task 1 fast task |
| Execution time per instruction | 0.12 µs Boolean without PCMCIA card 0.17 µs Boolean with PCMCIA card 0.17 µs word or fixed-point arithmetic without PCMCIA card 0.32 µs word or fixed-point arithmetic with PCMCIA card |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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| | 1.75...3 µs floating points with PCMCIA card 1.75...3 µs floating points without PCMCIA card |
| Number of instructions per ms | 3.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 4.59 Kinst/ms 100 % Boolean with PCMCIA card 5.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 6.72 Kinst/ms 100 % Boolean without PCMCIA card |
| System overhead | 0.35 ms for fast task 1 ms for master task |
| Marking | CE |
| Local signalling | 1 LED (green)Ethernet TCP/IP port ready (RUN): 1 LED (green)processor running (RUN): 1 LED (red)collision detection (COL): 1 LED (red)Ethernet TCP/IP port fault (ERR): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR): 1 LED (yellow)activity on TER or AUX terminal port (TER): 1 LED (yellow)Ethernet link diagnostics (STS): 1 LED (yellow)reception activity (RX): 1 LED (yellow)transmission activity (TX): |
| Current consumption | 1900 mA at 5 V DC |
| Module format | Double |
| Net weight | 0.64 kg |

Environment

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| Standards | 73/23/EEC UL 508 89/336/EEC CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C 92/31/EEC IEC 61131-2 93/68/EEC |
| Product certifications | LR BV RINA GL RMRS DNV ABS |
| Ambient air temperature for operation | 0...60 °C |
| Ambient air temperature for storage | -25...70 °C |
| Relative humidity | 10...95 % without condensation for operation 5...95 % without condensation for storage |
| Operating altitude | 0...2000 m |
| Protective treatment | Conformal coating Humiseal 1A33 TC |
| IP degree of protection | IP20 |
| Pollution degree | 2 |

Contractual warranty

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| Warranty | 18 months |
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