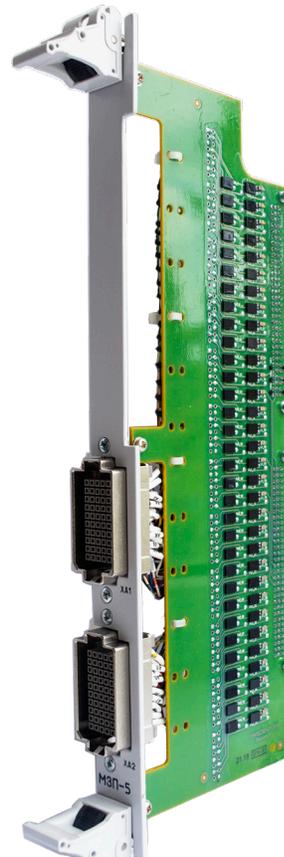




Rady has developed and delivered a digital I&C platform that is robust, flexible, and scalable. It provides state-of-the-art functions, services, and safeguards for both safety and non-safety applications in the nuclear industry. The RadICS product line consists of a Logic Module, basic input/output modules, and specialty modules all housed in a seismically qualified chassis.

The Interface Protection Modules (IOPM) are used to provide electromagnetic compatibility and other electrical hazards protection for the input and output modules of RadICS Platform.



Interface Protection Module (IOPM)

- Provides electromagnetic compatibility, overvoltage, overcurrent, electrostatic discharge, and other electrical hazards protection for the RadICS input, output and communication modules.
- Passive component usage for best signal throughput
- Staggered connection locations (top/bottom) for maximum cable connectivity
- IEC 61508 SIL 3 certification



Interface Protection Module Technical Specifications

| | |
|---|--|
| Electrostatic Discharge Protection | 15 kV air discharge 8 kV contact discharge |
| Input/Output channel isolation | all input and output channels are galvanic-isolated up to 250 VRMS AC or 250 VDC field-to-chassis and channel-to-channel |
| Overvoltage protection | Depends on module type |
| Operating temperature | 4.4 to 60 °C (40 to 140 °F) |
| Operating humidity | 10 to 90% relative humidity, non-condensing |

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For more than 20 years Radiy has provided advanced instrumentation and control (I&C) solutions for nuclear power plant modernization and new build projects in the global market. Radiy's main I&C product, the RadICS I&C Platform, was developed specifically for use in nuclear power plants. It is the only FPGA-based I&C platform with a SIL 3 certification in a single channel configuration. Radics, a wholly owned LLC, provides delivery services for the RadICS I&C Platform for international markets to meet local regulatory requirements. Radiy also offers industrial control systems, electrical equipment, and reverse engineering services.