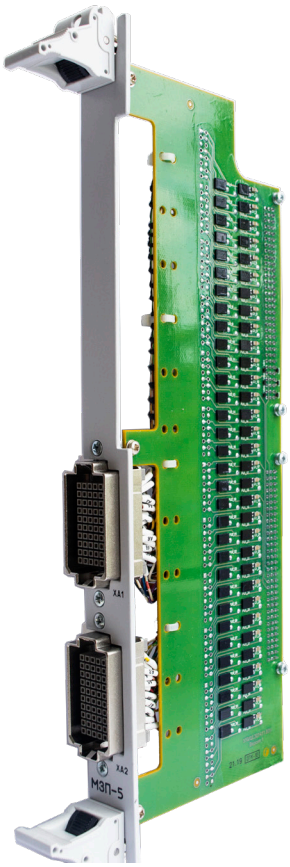
radICS

Radics 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

20 Years of Proven Innovation for the Global Nuclear Industry

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 500 VRMS AC or 500 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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RadICS Platform is the only FPGA-based I&C platform with a SIL 3 certification in a single channel configuration. The Platform is reviewed and approved by U.S. NRC. Radics LLC provides engineering, testing and commercial grade dedication services for nuclear power clients on international markets to meet local nuclear regulatory requirements and ensure safety and reliability at nuclear power genera on sites.

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