

The special radiation-hardened processors for new highly informative experiments in space

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The detailed description of special radiation-hardened microprocessor series developed by SRISA for different space applications is presented. The microprocessors have 32-bit and 64-bit KOMDIV architecture and built-in fast SpaceWire, SerialRapidIO, Ethernet, MIL-STD-1553B interfaces. These devices will be used for design of GAMMA-400 space telescope scientific data acquisition system and can be applied in the other future highly informative experiments in deep outer space (such as "Millimetron" observatory, etc.).

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