

PRESS RELEASE

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## **Anvo-Systems Dresden Presents 64Kb Serial I<sup>2</sup>C nvSRAM for the Extended Temperature Range**

**Dresden, February 2020** – Anvo-Systems Dresden GmbH, the specialist for non-volatile memory products, presents the ANV32A62ASE1 serial nvSRAM (non-volatile SRAM) with I<sup>2</sup>C interface for the extended temperature range of -40°C to +105°C. With the immediately available, non-volatile memory device, the security of a system can be significantly increased. The data retention of ten years ensures high reliability.

The ANV32A62ASE1 non-volatile memory device from Anvo-Systems Dresden features a storage capacity of 64Kb and a clock rate of 1MHz. The low power consumption is 0.5mA typically.

The ANV32A62ASE1 serial I<sup>2</sup>C nvSRAM is internally organized as 8k words of 8 bits. Each SRAM memory cell integrates a non-volatile SONOS storage element. In the event of an unforeseeable operating voltage drop, the SONOS technology enables storage of all data in one operation. If the operating voltage drops below a defined value, the data are stored in non-volatile memory cells in automatic self-timed PowerStore operation. The serial nvSRAM feature short access and cycle times and unlimited read & write endurance of the SRAM cells comparable to standard SRAMs. Special functions such as Hardware Data Protection and Continuous Write Operation ensure a high degree of reliability and efficiency of the product.

Anvo-Systems Dresden delivers the ANV32A62ASE1 device in a compact, RoHS compliant 8 pin 150 mil SOIC package. The serial nvSRAM can be operated with 3.3V.

The non-volatile memory device from Anvo-Systems Dresden is suitable for innovative applications demanding extended temperature ranges, like industrial automation, robotics, IoT based systems, servers, measurement equipment, medical devices, building automation, and smart metering systems.

### **Anvo-Systems Dresden**

*Anvo-Systems Dresden GmbH located in Dresden was founded 2009 as fabless semiconductor company and provides non-volatile standard products, IP and services to the market. Core competencies include nvSRAM, FLASH, SRAM, and DRAM technologies. The fast, highly reliable, system solutions are designed for industrial, computational, medical, energy, automotive and communication applications.*

*Anvo-Systems Dresden has signed strategic cooperation agreements with X-FAB Semiconductor Foundries AG and Melexis N.V. The company is a member of the Semiconductor Cluster Silicon Saxony.*

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