

AnDAPT unlocks Adaptable technology for power management with new portfolio of PMICs spanning multiple topologies, with unprecedented flexibility and performance



“Adaptable PMICs” provide turn-key solutions and help customers reduce design complexity

San Jose, California — December 04, 2018 – AnDAPT™ today announced the release of a portfolio of five Adaptable Power Management Integrated Circuits (Adaptable PMICs) built on its disruptive AmP™ platform ICs. With this unique technology, AnDAPT is able to rapidly release a multitude of Off-the-Shelf PMICs with entirely different topologies, covering a broad spectrum of customer applications, while relying on a single pre-tested and characterized monolithic AmP IC.

Adaptable PMICs can be used as-is by customers without software programming yet offer best-in-class flexibility and time-to-market, eliminating the cost and development time of traditional custom PMICs. They offer compelling combination of high performance, small form factor, flexibility and ease of use. Configuration options are also available using AnDAPT’s new WebAdapter™ tool.

The AnD8xxx product family features a compact 5mm x 5mm package and a high level of integration in order to provide best-in-class system solution to power chipset, processor and memory. All products incorporate multiple buck converters (6A), 4 general purpose LDOs and power management features such as fault protection and sequencing. The first Adaptable PMICs are:

- AnD8400: Four 6A synchronous buck converters
- AnD8320: Three 6A synchronous buck converters, 2 high current (1A) LDOs
- AnD8302: Three 6A synchronous buck converters, 2 high current (6A) Load switches
- AnD8240: Two 6A synchronous buck converters, 4 high current (1A) LDOs
- AnD8204: Two 6A synchronous buck converters, 4 high current (6A) Load switches

In Q1 2019, AnDAPT will release six additional Adaptable PMICs (AnD7xxx family) with high current capabilities (up to 40A) including the industry’s first PMIC to integrate a controller interfacing with Driver-MOSFET (DrMOS).

“Our Adaptable technology brings unique topology change capabilities, to address different customer applications, while leveraging the AmP IC” said Kapil Shankar, President and CEO of AnDAPT. “In a matter of weeks, we can release multiple PMICs, that fit our customer’s application needs with unprecedented flexibility and performance”.

Adaptable PMICs are also available as “soft” PMICs on AnDAPT’s On-Demand PMIC WebAmP™ tools, allowing user desired topology changes, for a fully customized PMIC, without the cost (no NRE) and the development time (no mask, no qualification) always required with custom PMICs.

AnDAPT is uniquely positioned to bring to market advanced power management solutions, with an extensive library of Power Components and topologies. The portfolio includes buck, boost, buck-boost converters, battery chargers, load switches, LDOs, gate drivers, controllers, sequencers and supervisors. Single and multi-phase regulators and controller topologies are also offered as well as application specific solutions.

“By addressing the discrete power devices, the standard power management IC and the custom PMIC markets, AnDAPT is expanding its Total Available Market to greater than \$5 billion” added Kapil. “This technology is disrupting the power device ecosystem, by bringing the performance of existing analog technology and the flexibility of programmable fabric, all with one monolithic semiconductor IC”.

Packaging and Availability

The Adaptable product family is offered in QFN packages 5mm x 5mm and 8mm x 8mm footprint sizes. Initial devices (AnD8400, AnD8320, AnD8302, AnD8240 and AnD8204) are available today, in a 5mm x 5mm thermally enhanced QFN package. Evaluation boards are also available to order on the AnDAPT website for all devices (AnD8400EB, AnD8320EB, AnD8302EB, AnD8240EB and AnD8204EB).

About AnDAPT

A privately held fabless Power semiconductor company, AnDAPT, Inc. designs, manufactures and markets Adaptable and On-Demand Power Management solutions. Incorporated in 2014 and based in Silicon Valley, the Company is funded by Intel, Cisco, Atlantic Bridge and Vanguard and has pioneered a new genre of adaptive analog technology. AnDAPT offers AmP™ Adaptive Multi-Rail Power Platforms, WebAmP™ and WebAdapter™ cloud-based software tools and AmP Power Components targeting applications in Medical, Industrial, Enterprise, Server/Client, Storage, Communications, IoT, Drones and Telematic applications. Visit the company website (AnDAPT.com) or call for more information.

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