



QUICK FACTS

Founded – 2014
HQ – San Jose, California USA
andapt.com

END APPLICATIONS

Artificial Intelligence Platforms
Network Accelerators
Industrial Robots & IoT Platforms
Processor/GPU Platforms
Storage Platforms
Gaming Platforms
Optical Modules
Power Modules

FUNCTIONALITY

Switching Regulators
Linear Regulators
Multi-phase Controllers
Battery Chargers
Supervisors/Telemetry
Voltage Scaling

MARKETS

Enterprise • Data Center
Networking • Telecomm • IoT
EVs • Auto • Drones • Robotics
Industrial • Medical • Consumer

INVESTORS

Atlantic Bridge • Intel • Cisco

AnDAPT OVERVIEW

AnDAPT™, Inc. is revolutionizing power management with its innovative On-Demand Power Management Solution, offering customers unprecedented ability to build and customize power management solutions in days or hours. AnDAPT solutions accelerate time to market and offer flexibility for rapid changes, keeping pace with user design requirements. All this is provided while maintaining a competitive advantage for lower device cost, board real estate reduction, and saving power. A privately held, fabless power semiconductor company, AnDAPT, Inc. designs, manufactures and markets On-Demand Power Management Solutions.

AnDAPT PRODUCT OFFERING

AnDAPT On-Demand Power Management Solutions include the Adaptive Multi-Rail Power (AmP™) platform IC family, [WebAmP](#) cloud software tools and proven AmP Power Components. Users can now, on-demand, select and integrate application targeted, power components on an AmP Platform, instantly creating a custom PMIC. These software-based power components replace traditional expensive catalog parts.

AnDAPT UNIQUE TECHNOLOGY

AnDAPT has pioneered a new genre of adaptive analog technology that combines programmable fabric for interconnecting μ Analog elements, for building full functionality power rails, on-demand. This technology combines the proven proficiency of analog power, along with digital flexibility, enabling integration of heterogeneous rails, optimized for user applications with the ability to monitor, control and manage power.

BENEFITS

- Lower cost Device and board space
- Power savings Efficiency, sequencing
- High performance Best in class transient response
- Telemetry/Supervision Monitoring, control fault management
- Flexibility of design Custom power architectures

AmP PLATFORMS

AmP8D6, AmP8D3, AmP8D1

WebAmP TOOLS

AmPMIC, AmPLink, AmPscope

POWER COMPONENTS

Pro Series, I2C Series, DVS Series

- Switching Regulators Buck, Boost, Buck-Boost
- Linear Regulators LDO, LDO-DDR, Load Switches
- Multi-phase Controllers DrMOS or MOSFET
- Supervisor, Telemetry Sequencer, Fault Manager
- Battery chargers

PROCESS TECHNOLOGY

110nm BCD

AnDAPT UNIQUE SOLUTION

We offer ready to program, blank AmP Platform ICs of various sizes that can be configured simply with drag-and-drop, of user's choice of AmP Power Components, in the WebAmP™ cloud tools to create a custom PMIC.

AmP ADAPTIVE MULTI-RAIL POWER PLATFORM

AmP Platforms offer application targeted creation and integration of multiple dissimilar power rails. The Platform includes, Power Blocks to build switching and linear regulators and Sensor Blocks to monitor current, voltage, and temperature. The nine member 12V AmP8D DMOS platform family comprises Four, Eight, Twelve Power/Sensor Blocks, available with 6A, 3A, 1A per MOSFET. Analog or Digital GPIOs up to 36 are offered in QFN packages from 6x6 to 8x8 sq. mm.

WebAmP CLOUD SOFTWARE TOOLS

WebAmP™ cloud-based tools enable users to select, integrate, optimize, and manage power components for AmP platforms. The AmPMIC graphical tools are easy-to-use, and provide the capability to integrate, optimize and tune the power components for LC, stability, PID, transient response, efficiency, and startup/shutdown, protection characteristics. Once complete users simply download the compiled designs to an AmP platform using an AmPLink™ USB adapter to build a custom PMIC in minutes. The analysis tools include AmPscope™ to monitor/debug rails in circuit, in real time.

AmP POWER COMPONENTS

AmP Power Components are proven software-based (IP) components comparable to and replace traditional single function, expensive catalog devices such as Buck, Boost, Buck-Boost, Multi-phase regulators, Load Switches, LDOs, Battery Chargers, Multi-phase controllers, Sequencers, Supervisors and other point of load (POL) devices. They are user application selectable and are integrated on AmP Platforms without the need for long development cycles, high production volumes or NRE costs typical of traditional custom PMU/PMIC solutions.