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Data processing
system complexity is
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need for intelligent
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with it. Designers now

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require better system management capabilities like those offered by the new generation of digital PWM controllers. These controllers use on-chip

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Data processing system complexity is growing fast, and the need for intelligent power system

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management is growing right alongside it. Designers now require better system management capabilities like those offered by the new generation of digital PWM controllers. While these digital controllers can use resistors to configure basic parameters, the immense flexibility of the digital controller is its ability to provide full software control via the

Get Free Digital Hybrid Controller Simplifies Power PMBus. Supply Design

Simplify Power Supply Design with a Digital Hybrid Controller

Engineers benefit because a digital hybrid controller simplifies power supply design. It's a "digital hybrid" because it combines an analog PWM controller with PMBus. For simplicity of configuration, the digital hybrid controller

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employs Resistor Reader technology. The Resistor Reader interface allows the majority of configuration parameters to be

**www.intersil.com/products/isl68200
POWER SUPPLY
DESIGN 29 ...**

Microcontrollers with CIP hybrid power capabilities have an advanced autonomous PWM controller which

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is highly configurable to support a wide range of topologies and control modes. Figure 2: CIP hybrid power controller . Figure 2 shows a very simplified illustration of a CIP hybrid power controller.

Hybrid Power Controllers - Bridging the Analog and Digital ...

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Digital Hybrid

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Simplifies Power Supply Design **Controller Simplifies Power Supply Design**

Digitally Enhanced Power Analog (DEPA) controllers contain analog control loops with digital oversight using analog references, amplifiers and Pulse-Width Modulation (PWM) generators to regulate an output, while configuring, monitoring, measuring and dynamically

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adjusting that performance with an embedded microcontroller (MCU).

Digitally Enhanced Power Analog Hybrid Controllers ...

Hybrid Converter
Simplifies 48V/54 Step-
Down Conversion in
Data Centers and
Telecom Systems April
03, 2020 by Ya Liu This
article highlights
Analog Devices'
LTC7821-based hybrid

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converter that has the benefits of both conventional buck converters and charge pumps. There has been a shift in data center and telecom power system design.

Hybrid Converter Simplifies 48V/54 Step-Down ... - EE Power

The STNRGPF01 SMPS (Switched-Mode Power Supply) controller from STMicroelectronics

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Simplifies Power
Supply Design
delivers the flexibility
and high efficiency of
digital power without
the technical
challenges and time to
develop custom DSP
(Digital Signal
Processor) code.

Controller simplifies access to digital- power advantages

Digitally Enhanced
Power Analog (DEPA)
Analog-based PWM
controllers with
integrated 8-bit PIC ®

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microcontroller. This unique product offering combines the performance of a high-speed analog solution, including high-efficiency and fast transient response, with the configurability and communication interface of a digital solution.

**DC-DC Controllers |
PWM, COT, Digital &
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Figure 2. Size comparison of a nonisolated buck converter and equivalent 48 V to 12 V/20 A hybrid converter. The LTC7821 is a peak current-mode hybrid converter controller with the features required for a complete solution of a nonisolated, high efficiency, high density step-down converter for an intermediate bus

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converter in data
centers and telecom
systems.

Hybrid Converter Simplifies 48 V/54 V Step-Down Conversion ...

The LTC4417 controller selects the highest priority valid supply among three inputs to power the load. Priority is defined by pin assignment, while a supply is considered valid after it has been

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Triple-supply controller
simplifies power
system design,
protects against
reversed inputs

Triple-supply controller simplifies power system design ...

Motor Controller, DROK
PWM DC Motor Speed
Controller 10-50V 60A
High Power HHO RC
Driver PWM Controller
Module 12V 24V 48V
3000W Extension Cord

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Simplifies Power
with Switch 4.5 out of 5
stars 81 \$17.79
Supply Design

Amazon Best Sellers: Best Motor Speed Controllers

The power supply and
EtherCat

communications are
combined in a single
cable with a B23 ENP
hybrid connector,
which can carry up to
28A. Related stories
Dual-channel AC motor
controller is 'world's
first'

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IP67 motor controller simplifies roller conveyor ...

Product Overview

DH22* Comrex's

Digital Hybrid series

are high quality single-
and dual-line telephone
interfaces. Designed to
interconnect a

standard telephone
line and your audio
equipment, the DH

Series enables users to
send and receive audio
from a connected

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telephone line.

Digital Hybrids - Product Page - Comrex Corporation

The RAA210825 simplifies configuration and control of Renesas digital power technology while offering an upgrade path to full PMBus configuration through the pin-compatible ISL8277M. The RAA210825 uses ChargeMode™ control

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architecture, which responds to a transient load within a single switching cycle.

RAA210825 | Digital Power Modules

STMicroelectronics
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STMicroelectronics'
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converters up to 8W
brings small size, low

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cost, and versatility to applications such as home appliances, building-automation devices, smart lighting, and smart meters.

STMicroelectronics Simplifies Power for Smart Devices with

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The LT8708-1 developed by Analog Devices is a 98% efficient bidirectional regulator controller IC that operates as a

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slave to a master LT8708 IC. One or more slaves can be connected to a single master, proportionally increasing power and current capability of the system. The LT8708-1 slave can deliver as much current or power as the master.

80-V Multiphase Slave Controller Simplifies Battery- Backup ...

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Push-pull converter
simplifies isolated
power supply design in
HEV/EV systems

Introduction With the rapid growth of hybrid electric vehicles (HEVs) and full EVs, the need for galvanic isolation in automotive applications has also grown. Galvanic isolation is used in starter generators, battery-management systems, onboard

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Simplifies Power
Analog Design
Journal Signal Chain
Push-pull converter

...

ControlEdge HC900
Controller

Specifications

51-52-03-31,

November 2019 .

Overview . The

Honeywell ControlEdge

HC900 Controller is an

advanced loop and

logic controller offering

a modular design sized

to satisfy the control

and data management

Get Free Digital
Hybrid Controller
Simplifies Power
needs of a wide range
of process equipment.
When combined with
the optional 900
Control Station
operator

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