

Innovations from Semiconductor

Product Introduction

Power management IC BD9596MWV

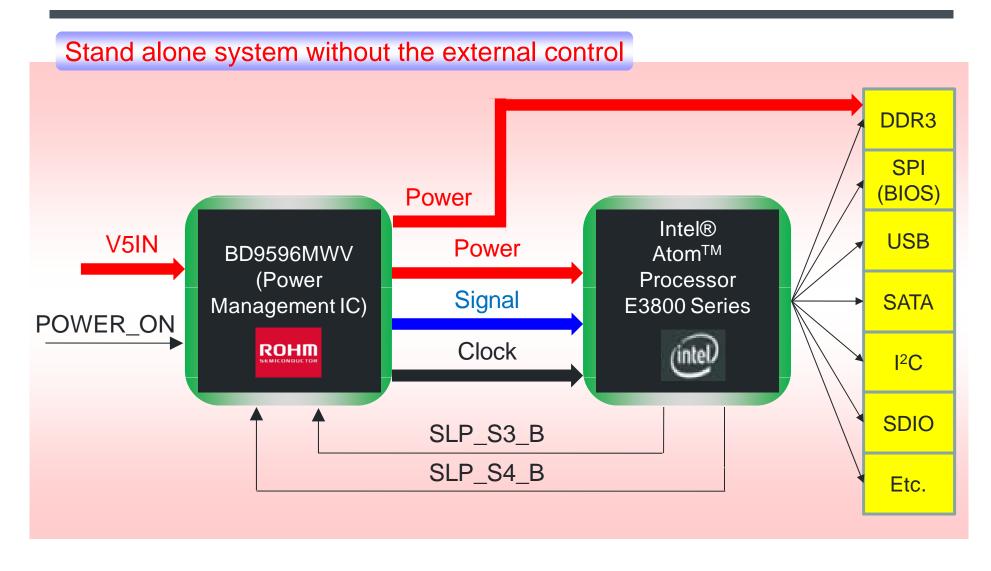
Rev1.0



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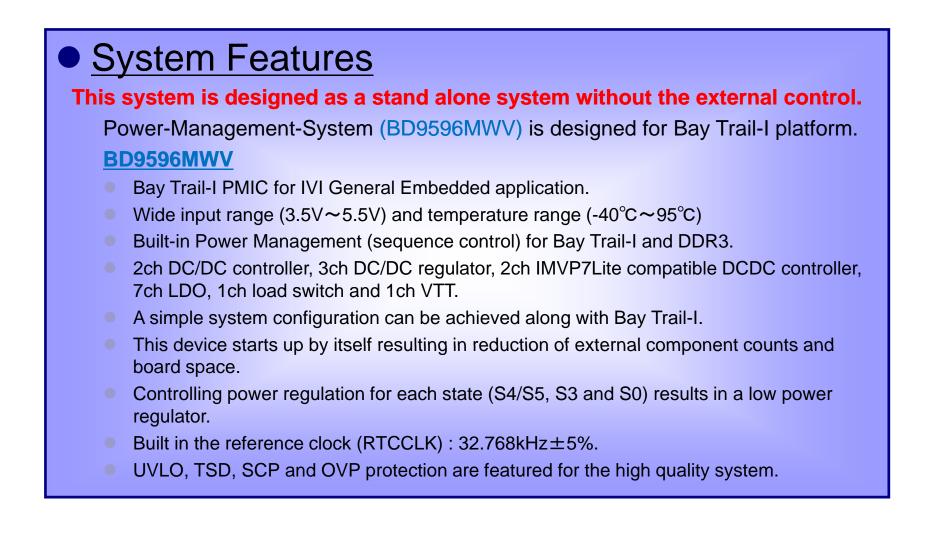
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Power Management System Block Diagram



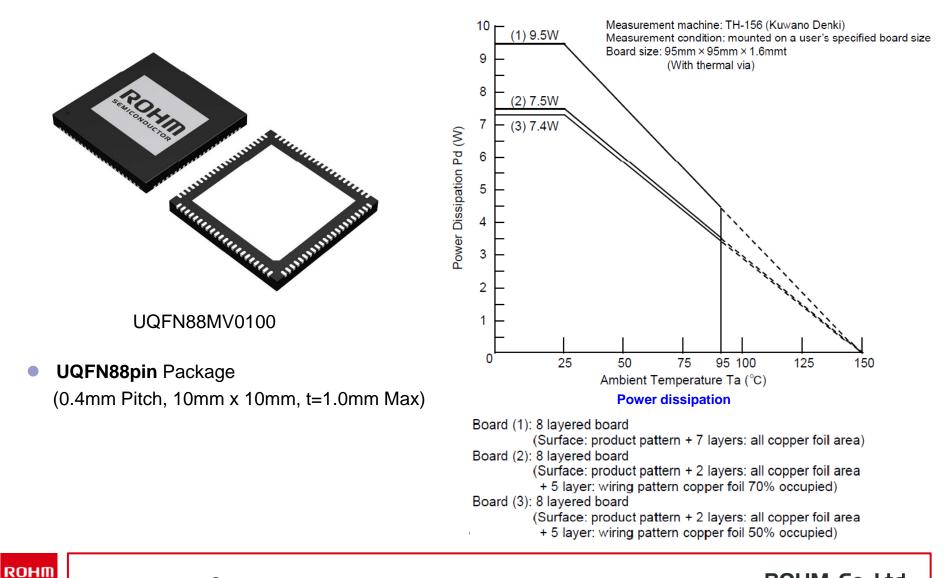
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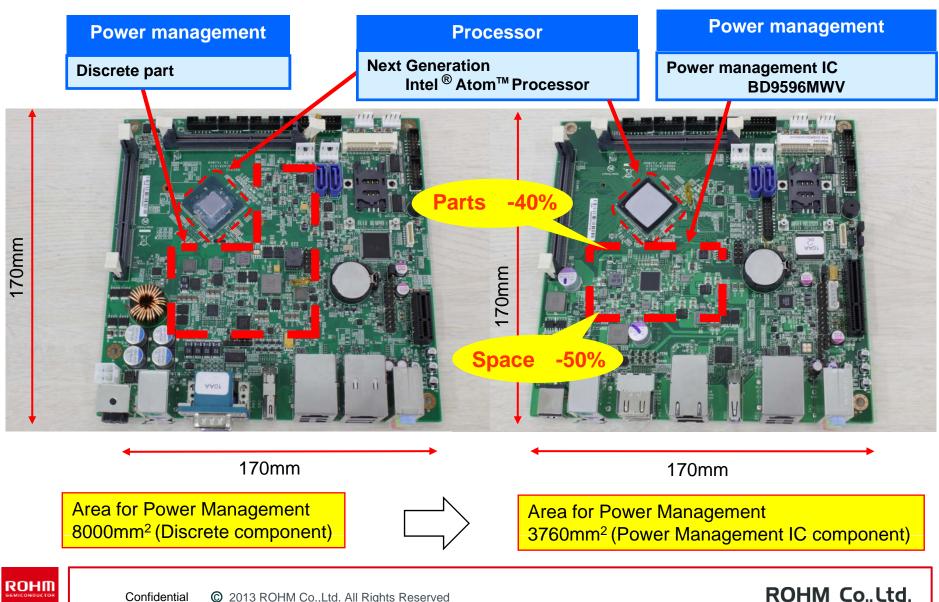
Package



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GOJYO-BT development



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BOJYO-BT specification

Product Specification1			Product Specification2		
Form factor		Industrial Standard Mini-ITX: 170mmx170mm (6.7"x6.7")	Edge I/O	Serial Port	COM1: DB9 Male Connector (RS232 Only) COM2: DB9 Male Connector (RS232/422/485)
Processor		Bay Trail-D (J1900, 4C @ 2.00GHz, 10W) Bay Trail-M (N2920, 4C @1.60GHz, 7.5W)		USB3.0	USB3.0 Type-A Connector (USB2.0 Compatibility)
Memory	Туре	Bay Trail-I (E3827, 2C @1.75GHz, 8W) SO-DIMM Slot x 2 in DDR3L-1333 Dual-Channel		LAN/USB2.0x 2	Triple-Stack RJ-45 + USB2.0 Type-A Connector x 2
-	Capacity	1GB/2GB/4GB/8GB per Slot		Audio	Phone Jack (Green): Line-Out
Graphic	Controller	Integrated Gen 7 Graphics and Media Encode/Decode			Phone Jack (Pink): Mic-In Phone Jack (Blue): Line-In
	HDMI	x2 (Dual-Display Capability)		KB/MS	Dual-Stack PS/2 Connector
USB	USB3.0	SoC Integrated USB3.0 Controller: Single Port	Internal I/O	Serial	COM3-6: 5x2-Pin 2.0mm Box Header(RS232)
	USB2.0	SoC Integrated USB2.0 Controller: 4 Ports USB 2.0 Hub (4 Ports)		LPT	13x2-Pin 2.0mm Box Header
Network		Intel I211 PCIe GbE LAN Controller		USB2.0	5x2-Pin 2.54mm Pin Header 6x1-Pin 2.5mm JST Wafer
Super I/O		ITE IT8786E		SATA	4-Pin SATA Connector x 2
Storage	SATA2.0x2	SoC Integrated SATA2.0 Controller, SATA 0/1 @ 3Gb/S			4-Pin Power Connector x 2
SD		SD Socket		Front Panel	4x2-Pin 2.54mm Pin Header
Audio	HAD	Realtek ALC886-GR High Definition Audio Codec		1/0	Power/HDD LEDs, Power/Reset Buttons
				Others	Built-In Buzzer FAN Connector x 2: 4x1-Pin 2.5mm Wafer
			Expansion Slot		PCle2.0 x1 Slot Mini-Card (PCle2.0 x1, USB2.0, SMB, and SIM)



NEX616 (NEXCOM)

Features

- Mini-ITX M/B (170mm x 170mm)
- Intel® Bay Trail-I/-D/-M SOC processor
- 2 x DDR3L SO-DIMM non-ECC 1333 UP to 8GB
- Support 1 x PCle [x 1] (Gen. 2.0) / 1x mPCle
- Support 2 x HDMI / 1 x VGA
- 2x GbE LAN support
- 2 x SATA3.0 / 6 x COM / 6 x USB2.0 / 1 x USB3.0
- 12V single DC input (Power designed by ROHM PMIC solution)

Same feature as "GOJYO-BT"



NEX616 can be purchased from NEXCOM (Taiwan)

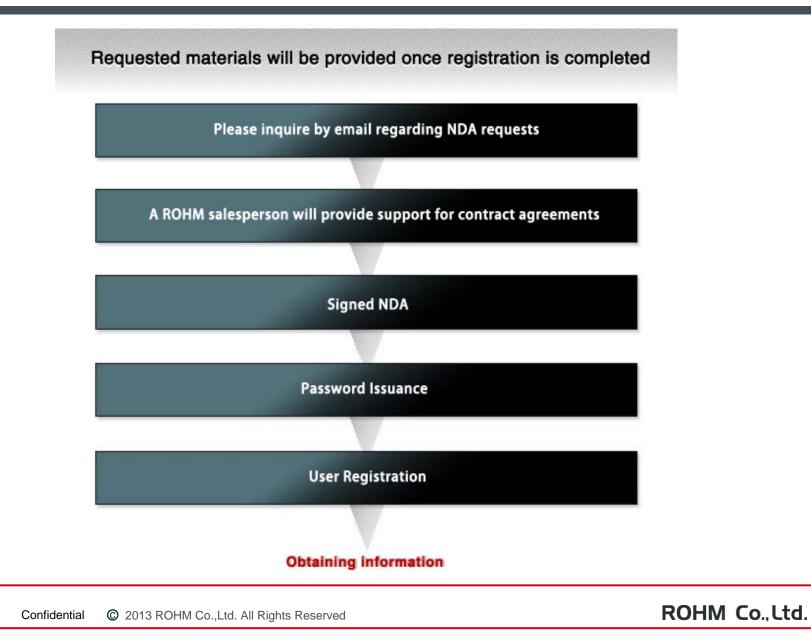
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