



Relio R1 Quad-Core QuickStart Kit with 64GB MLC CFast Card, Windows 10 64-Bit OS, and 65W Desktop Power Supply

Part: R1400800-DVA-KT | **Model:** Relio R1 QuickStart Kit

The Relio™ R1 QuickStart kit allows you to quickly get started with your application development by including the most popular configuration options and accessories:

- Relio R1 industrial computer with 1.91 GHz Quad-Core Intel® Atom™ Bay Trail CPU
- 8 GB DDR3L RAM installed
- 64 GB MLC CFast card installed
- Preloaded with Microsoft Windows® 10 64-bit operating system
- 100-240 VAC to 24 VDC @ 2.7 A, 65 W desktop power supply
- NEMA 5-15P US power cord
- International power cords and rugged DIN rail bracket are available as optional accessories

Sealevel takes COM Express architecture to extremes with the Relio R1 industrial computer, featuring a quad-core Intel Atom processor and 8 GB of RAM in a virtually indestructible, DIN rail compatible enclosure. The R1 is Sealevel's most rugged computer to date, designed to exceed military specifications for shock and vibration.

The Relio R1 achieves an impressive operating temperature range of -40° to 71°C, while requiring low power consumption over an 18-36 VDC input range. Standard I/O features include two software-selectable serial ports, dual Gigabit Ethernet, four SeaLATCH™ locking USB ports, and digital and analog video interfaces.

Inside the R1, a 64 GB MLC CFast card provides solid-state storage and comes preloaded with Microsoft Windows 10 64-bit operating system.

The Relio R1 compact, rugged industrial computer is designed for applications that demand powerful processing capabilities, and wide operating temperature range, while designed to exceed military specifications for shock & vibration. Order your Relio R1 QuickStart kit today, or take a look at our configurable Relio R1 for other ordering combinations and options.

Features & Specifications

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System Features

- Compact, extreme rugged enclosure with powder-coated finish
- Zero maintenance – silent, solid-state design with no fans or other moving parts
- Wide temperature operation from -40 to +71C (-40 to +160F) ambient
- COM Express Type 6 Compact Module with quad-core Intel Atom (Bay Trail) processor
- 8 GB DDR3L RAM installed
- Internal Mini PCI Express full-length slot supports optional CAN, wireless, GPS and other expansion options
- Integrated 7th generation Intel graphics hardware

Enclosure Front

- DVI-D and analog VGA display connectors
- Two 10/100/1000BaseT RJ45 Gigabit Ethernet ports with status LEDs
- One SeaLATCH locking USB 3.0 port
- Pushbutton LED power switch

Enclosure Left

- One High-Retention, SeaLATCH Locking USB 2.0 Port
- 18-36 VDC power input via 2-pin removable terminal block

Enclosure Right

- Two High-Retention, SeaLATCH locking USB 2.0 ports
- Two serial ports via 6-pin removable terminal block (Supports 2-wire RS-232 or RS-485)

Enclosure Rear

- Threaded mounting holes for optional DIN rail bracket and other mounting options

What's In the Box?

- Relio R1 industrial computer
- Includes 64 GB MLC CFast card installed in R1, for solid-state disk (SSD) applications (Item# 104442)
- Microsoft Windows 10 64-bit operating system preinstalled on CFast card (Item# 104447)
- 100-240 VAC to 24 VDC 65W desktop power supply with US power cord (Item# TR152-US)
- Cables, DIN rail bracket and other items are available as accessories

Specifications

BIOS	AMI EFI with CMOS Backup in 8 MB SPI Flash
Family	Relio
CPU Type	Intel Atom
CPU	1.91 GHz Quad-Core Intel Atom E3845
Dimensions	6.64" (L) x 5.19" (W) x 1.90" (H)
Display Support	DVI-D and Analog (VGA)
Expansion Slots	Mini PCI Express Full-Length Card for Optional CAN Bus 2.0b, Wireless 802.11b/g/n, GPS or Other Capabilities
Extended Temperature	Call for Options
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Max RAM	8 GB Non-ECC DDR3L 1333 MHz
Max Video	WQHD 2560×1600 @ 60Hz
Networking	Dual Gigabit Ethernet
Operating Temperature	-40°C to 71°C (-40°F to 160°F)
Power Requirement	18-36 VDC (12W Typical; Max 25W)
Serial Ports	Two 2-Wire RS-232 or RS-485
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
USB 3.0 Ports	One SeaLATCH Locking USB
USB 2.0 Ports	Three High-Retention, SeaLATCH Locking USB