

# COBALT™ 901

---



## COBALT™ 901|400 Series

- ▶ Small form factor, IP67 sealed unit, no ITAR restrictions
- ▶ Intel® Quad-Core™ E3-1505L, 1.7 GHz with 16 GByte or 32 GByte ECC RAM
- ▶ 2x GbE, HDMI, USB 3.0 / 2.0, Audio, GPIO, Serial Ports
- ▶ Configurable front panel for modular I/O profile options
- ▶ Extended Temperature -40 °C to +71 °C

POSSIBILITIES START HERE



## TECHNICAL INFORMATION

FORM FACTOR		Small form factor, IP67 sealed
PROCESSOR		Intel® Quad Core™ E3-1505L processor, 1.7 GHz
DRAM		up to 32 GByte DDR4-2133 with ECC
OPERATING SYSTEM		Linux Ubuntu 16.04 LTS; Support for Windows
SECURITY		TPM 2.0 On board
STORAGE		128 GByte fixed storage (OS & application) Optional Storage: Removable SSD (separate ordering options)
ETHERNET PORTS		2x 10/100/1000BT Direct Ethernet Ports
SERIAL, DISCRETES		8x GPI (In), 4x GPO (Out) and 12x GPIO, (SE) LVTTTL 4x Serial Ports configurable for RS422 and/or RS485 (user configurable) 2x RS232 Remote Battery (RTC) power pins
AUDIO		2x Differential Out; 1x Single End (SE) Out 4x Single End (SE) Inputs
VIDEO		VGA (maintenance port) HDMI/DVI
USB		3x USB 2.0 (1A) 1x USB 3.0 (1A)
POWER		+28 VDC (+18 VDC to +36 VDC) power input with integrated EMI filter 30 W nominal
ENVIRONMENT	VIBRATION SHOCK EMI/RFI TEMPERATURE	5 Hz to 2000 Hz, Random, 1hr each axis, 8.21 GRMS Power Spectrum Density 40 g, 11ms sawtooth MIL-STD-461E, MIL-STD-1275D, MIL-STD-704, RTCA/DO-160F, Section 20-21 -40 °C to +71 °C
WEIGHT		7 lbs (3 kg)
CONNECTORS		Circular IP67 locking connectors
DIMENSIONS		8.5" (216 mm) W x 5.6" (142 mm) D x 3.9" (99 mm) H
SOFTWARE SUPPORT		Windows, Linux, Optional Power Built-in-Test (PBIT), For other requirements, contact factory

## ORDERING INFORMATION

PART NO.	DESCRIPTION
78510901-402	COBALT 901, Front Removable SSDs, 16 GByte DRAM
1060-4380	Lab External I/O Cable Kit (P1, P2, P3, P4, P5) cable assemblies
5160550-2	RSSD, 128 GByte
5160550-3	RSSD, 256 GByte
5160550-4	RSSD, 512 GByte
5160550-5	RSSD, 1 TByte

## Global Headquarters

### Kontron S&T AG

Lise-Meitner-Str. 3-5  
86156 Augsburg, Germany  
Tel.: + 49 821 4086 0  
Fax: + 49 821 4086 111  
info@kontron.com  
[www.kontron.com](http://www.kontron.com)