

Technical Specifications - 1756-CMS1B1, 1756-CMS1C1

Attribute	1756-CMS1B1	1756-CMS1C1
Solid state drive (SSD) capacity	32 GB	
Embedded operating system	Windows 10 IoT Enterprise LTSB 64 bit	Linux 32 bit (Debian 8.9)
Onboard memory	4 GB	
Voltage and current ratings	5.1V DC @ 1.40 A	
Power consumption	7 W	
Power dissipation, max	7 W	
Thermal dissipation	23.88 BTU/hr	
Replacement battery	Panasonic Type BR1225A coin type lithium battery - Commercially available	
Weight, approx	0.394 kg (0.868 lb)	
Slot width	1	
Module location	ControlLogix chassis, any slot	
Chassis	1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17 Series B, Series C	
Wire size	Ethernet connections Ethernet cabling and installation according to IEC 61918 and IEC 61784-5-2	
Wiring category ⁽¹⁾	3 - on USB port 2 - on Ethernet ports	
North American temperature code	T5	
Enclosure type rating	None (open-style)	

(1) Use this Conductor Category information for planning conductor routing. Refer to Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).

Environmental Specifications - 1756-CMS1B1, 1756-CMS1C1

Attribute	1756-CMS1B1, 1756-CMS1C1
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	Series C Chassis: -25 °C < Ta < +60 °C (-13 °F < Ta < +140 °F) Series B Chassis: -25 °C < Ta < +50 °C (-13 °F < Ta < +122 °F)
Temperature, surrounding air, max	Series C Chassis: 60 °C (140 °F) Series B Chassis: 50 °C (122 °F)
Temperature, nonoperating IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock)	-40...+85 °C (-40...+185 °F)
Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Damp Heat)	5...95% noncondensing
Vibration IEC 60068-2-6 (Test Fc, Operating)	2 g @ 10...500 Hz
Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	30 g
Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	30 g
Emissions	IEC 61000-6-4

Environmental Specifications - 1756-CMS1B1, 1756-CMS1C1 (Continued)

Attribute	1756-CMS1B1, 1756-CMS1C1
ESD immunity IEC 61000-4-2	4 kV contact discharges 8 kV air discharges
Radiated RF immunity IEC 61000-4-3	10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz 10V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz
EFT/B immunity IEC 61000-4-4	±2 kV at 5 kHz on Ethernet ports
Surge transient immunity IEC 61000-4-5	±2 kV line-earth (CM) on Ethernet ports
Conducted RF immunity IEC 61000-4-6	10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz

Certifications - 1756-CMS1B1, 1756-CMS1C1

Certification (when product is marked) ⁽¹⁾	1756-CMS1B1, 1756-CMS1C1
c-UL-us	UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810
CE	European Union 2014/30/EU EMC Directive, compliant with: • EN 61326-1; Meas./Control/Lab., Industrial Requirements • EN 61000-6-2; Industrial Immunity • EN 61000-6-4; Industrial Emissions • EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) European Union 2011/65/EU RoHS, compliant with: • EN 50581; Technical documentation
RCM	Australian Radiocommunications Act, compliant with: • EN 61000-6-4; Industrial Emissions
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: Article 58-2 of Radio Waves Act, Clause 3
EAC	Russian Customs Union TR CU 020/2011 EMC Technical Regulation Russian Customs Union TR CU 004/2011 LV Technical Regulation
Morocco	In conformity with the following regulations: • Arrêté ministériel n° 6404-15 du 1^{er} muharram 1437 (15 octobre 2015), Équipements électriques destinés à être utilisés sous certaines limites de tension • Arrêté ministériel n° 6404-15 du 29 ramadan 1436 (16 juillet 2015), Compatibilité électromagnétique des équipements
UKCA	In conformity with the following UK Statutory Instruments and their amendments: • 2016 No. 1091, Electromagnetic Compatibility Regulations • 2016 No. 1101, Electrical Equipment (Safety) Regulations • 2016 No. 1107, Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations • 2012 No. 3032, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations

(1) See the Product Certification link at rok.auto/certifications for Declarations of Conformity, Certificates, and other certification details.