TC1200



Datalogic's TC 1200 Compact CCD Reader provides cost-effective solution for many OEM applications and entry level Factory Automation, combining the benefits of CCD technology, excellent decoding capability and maximum flexibility.

TC1200 has great optics features with wide scan angle and long depth of field also on very high resolution codes.
Its high-performance CCD executes 320 scans/sec, and renewed decoding capabilities increase throughput on hard-to-read, poor or damaged codes.
TC1200 is characterized by maximum reliability (MTFB > 240.000 hours) and very low power consumption 1.75W.
TC1200 can set different operative modes in order to easily work in a large variety of operative conditions.
USB connection and serial port interface combined with opto-coupled input/output lines satisfy all the need for external communication with any type of controller. TC 1200 is also available as "Scan Engine" very useful for embedded applications where the size is a key factor (electronics module without case).

Aladdin™ configuration software (via PC) or direct configuration through Bar codes, they both offer user-friendly approach to start-up and set-up procedure.

HIGHLIGHTS

- Linear CCD Technology
- Static reading applications
- Excellent Reading performance on bad label codes
- Extended reading distance and long DOF
- High Scan Rate @320 scans/sec
- Very high resolution codes up to 3 mils
- Serial and USB standard Interface
- Multiple Operative conditions
- IP64 protection class enclosure
- Scan Engine module version
- Easy set up with Aladdin software tool or Programming Bar Code Labels.

APPLICATION

- Hand free solutions for factory automation
- Lab automation and biomedical analysis machines
- Kiosk and atms terminal service
- Access control and ticketing

TECHNICAL DATA

	PHYSICAL CHARACTERISTICS	
	T C1200-1X00	TC1200-0X00
Dimensions	57x31x50 mm (2.24x1.22x1.97 in)	50x20.8x43 mm (1.97x0.82x1.69 in)
Weight	RS232: 120 g. (4.2 oz.) USB:105 g. (3.7 oz.) (without Cable)	30 g. (1 oz.)
Case material	ABS	NA
Operating temperature	0° to +50 °C (+32° to +122 °F)	
Storage temperature	-20° to +70 °C (-4° to +158 °F)	
Humidity	90% non condensing	
Protection class	IP64	
	PERFORMANCE	
	TC1200-1X00	TC1200-0X00
Communication interface	RS232	USB
Max scans/sec	320	
Max resolution	0.10 mm (4mils)	
Readable symbologies	EAN/UPC, Code 39, Code 32, Code 128, GS1-128, ISBT 128, Interleaved and Standard 2 von 5, Codabar, ABC Codabar, GS1 Databar (Omnidirectional, Limited, Expanded), Code 93, Code 11, MSI	
Digital inputs	One (trigger input), optocoupled, polarity insensitive	
Digital output	Two (software programmable), optocoupled, MAX Voltage=30V, MAX Current = 30mA	
Operating modes	OnLine, Serial OnLine, Automatic, Automatic Object Sense, Test	
User interface	3 LEDs (Power, Good read, Trigger) 1 Button for manual triggering	
	ELECTRICAL CHARACTERISTICS	
Power supply	5 Vdc ± 5%	
Power consumption	350 mA; 1,75 W	

	MODELS & ACCESSORIES	
	P/N	Description
Models	939501108	TC1200-1000 CCD READER, RS232
	939501109	TC1200-1100 CCD READER, USB
	939501110	TC1200-0000 SCAN ENGINE CCD READER, RS232
	939501111	TC1200-0100 SCAN ENGINE CCD READER, USB
Accessories	93A051388	CAB-TC1200 to CBX 10-30 VDC PWR Supply
	93ACC1891	GFC1200 - 105° REFLECTING MIRROR TC1200

READING DIAGRAMS



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