

## Motorized Card Readers & Encoders (Desktop type)

# CTG-190 & CTG-290 Series

# CTH-190 & CTH-290 Series



**EMV 3.1.1 Level 1  
Type Approved**

Hybrid type available  
Various Interfaces available  
With Shutter version available  
Hi-Co/Lo-Co Switchable type available  
Strong card feeding force  
Space-saving

### Specification

Interface	RS-232, USB (Virtual COM), TCP/IP
Mag. Card type	ISO/IEC 7810 ID-1, ISO/IEC 7811-1, -2, -6
IC Card type	ISO/IEC 7816-1, -2, -3 (T=0, T=1) EMV Ver.3.1.1 (CTH Series)
Card feeding speed	300mm/s
Magnetic Head life	500,000 passes
IC contact life	300,000 times (CTH Series)
Allowance of card thickness	0.20 to 0.84mm *
Interface connector	RS-232: D-Sub9P, USB: Type B, TCP/IP: RJ-45
LED	4 LEDs [Power, Ready, Ok, Error] (CTG/CTH-1xx Series) 5 LEDs [Power, Write, Read, Ok, Error] (CTG/CTH-2xx/2x4 Series)
Power	AC Adapter
Weight	Approx 1.6kg (CTG/CTH-1xx Series) Approx 2.0kg (CTG/CTH-2xx/2x4 Series)
Dimensions	116 (W) x 215 (L) x 56 (H) mm (CTG/CTH-1xx Series) 116 (W) x 280 (L) x 56 (H) mm (CTG/CTH-2xx Series)

\*Depending on card materials, conditions of card surfaces, etc, there is a possibility that cards with thickness 0.20 to 0.25mm cannot be carried normally.

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## MODEL TYPE

Model Number	Magnetic Stripe			IC Card	Interface	Note
	ISO 1	ISO 2	ISO 3			
CTG-170S-1R-5001/7001		R			RS-232	
CTG-190S-3R-5001/7001	R	R	R		RS-232	
CTG-170U-1R-5001/7001		R			USB	
CTG-190U-3R-5001/7001	R	R	R		USB	
CTG-270S-1A-5001/7001		R/W			RS-232	
CTG-290S-3A-5001/7001	R/W	R/W	R/W		RS-232	
CTG-270U-1A-5001/7001		R/W			USB	
CTG-290U-3A-5001/7001	R/W	R/W	R/W		USB	
CTG-274S-1A-5001/7001		R/W			RS-232	Hi-Co / Lo-Co Switchable
CTG-294S-3A5001/7001	R/W	R/W	R/W		RS-232	Hi-Co / Lo-Co Switchable
CTG-274U-1A-5001/7001		R/W			USB	Hi-Co / Lo-Co Switchable
CTG-294U-3A-5001/7001	R/W	R/W	R/W		USB	Hi-Co / Lo-Co Switchable
CTH-170S-1R-5001/7001		R		R/W	RS-232	
CTH-190S-3R-5001/7001	R	R	R	R/W	RS-232	
CTH-170U-1R-5001/7001		R		R/W	USB	
CTH-190U-3R-5001/7001	R	R	R	R/W	USB	
CTH-270S-1A-5001/7001		R/W		R/W	RS-232	
CTH-290S-3A-5001/7001	R/W	R/W	R/W	R/W	RS-232	
CTH-270U-1A-5001/7001		R/W		R/W	USB	
CTH-290U-3A-5001/7001	R/W	R/W	R/W	R/W	USB	
CTH-274S-1A-5001/7001		R/W		R/W	RS-232	Hi-Co / Lo-Co Switchable
CTH-294S-3A-5001/7001	R/W	R/W	R/W	R/W	RS-232	Hi-Co / Lo-Co Switchable
CTH-274U-1A-5001/7001		R/W		R/W	USB	Hi-Co / Lo-Co Switchable
CTH-294U-3A-5001/7001	R/W	R/W	R/W	R/W	USB	Hi-Co / Lo-Co Switchable

**\*\*CTH series (Hybrid of Magnetic stripe & IC contact): EMV 3.1.1 Level 1 Type Approved**

- -5001: AC 115V / -7001: AC 230V
- With Shutter version: -5002 (AC 115V) / -7002 (AC 230V)
- TCP/IP Interface version available

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