

Reliability Is Finally Here!

08130,27

Main Features

Communications possible with ISO/IEC 18000-3 (ISO/IEC 15693)
 -compliant ID Tags, as well as with the V680-series ID Tags.

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- Equipped with RS-232C and USB interfaces.
- Supports V600-series commands to enable use with existing systems.
- Conforms to CE and FCC.
- □ V680-CHUD 0.8M Model with USB, 0.8 m
- □ V680-CHUD 1.9M Model with USB, 1.9 m
- □ V680-CH1D Model with RS-232C, 2.5 m (for use with a personal computer or programmable controller)
- V680-CH1D-PSI Model with RS-232C, 0.8 m (Recommended model: Psion Teklogix Handheld Terminal)
 V600-A22 AC Adaptor
- (for V680-CH1D)
- □ V680-A-7527S-G2-EG-S Psion Teklogix Handheld Terminal

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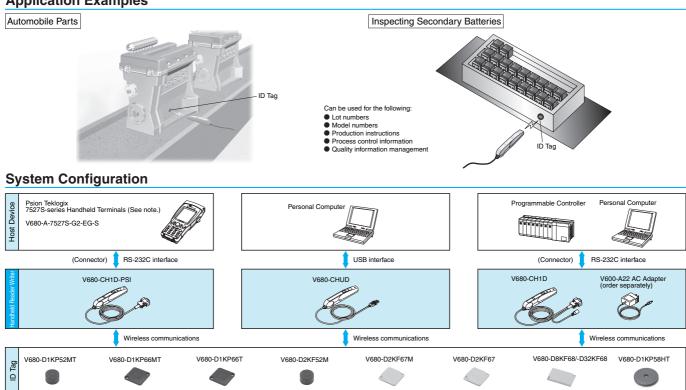
Communicate with both V680-series Tags and Tags that comply with international standards.

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Application Examples



Note. Easy Access demonstration software for V680/V600 is pre-installed

Ratings and Specifications

Handheld Reader	Writer				
Item Model	V680-CHUD 0.8M	V680-CHUD 1.9M	V680-CH1D	V680-CH1D-PSI	
Power supply voltage	5 VDC±5%				
Current consumption	500 mA max. (for a power supply voltage of 5.0 V)				
Insulation resistance	50 MΩ min. (at 500 VDC) between connector and case				
Dielectric strength	1,000 VAC, 50/60 Hz for 1 min (leakage current: 1 mA max.) between connectors and case				
Vibration resistance	Destruction: 10 to 150 Hz, 0.2-mm double amplitude, with 10 sweeps for 8 min each in 6 directions				
Shock resistance	Destruction: 150 m/s ² , 3 times each in X, Y, and Z directions				
Ambient operating temperature during communication	0 to +40°C				
Ambient operating humidity during communication	35% to 85% (with no condensation)				
Ambient storage temperature	-25 to +65°C				
Ambient storage humidity	35% to 85% (with no condensation)				
Degree of protection	IEC 60529: IP63 (See note 2.)				
Cable length	0.8 m	1.9 m	2.5 m	0.8 m	
Weight	Approx. 110 g (including connector and cable)	Approx. 140 g (including connector and cable)	Approx. 170 g (including connector and cable)	Approx. 120 g (including connector and cable)	

Refer to the User Manual (Cat. No. Z272) for details.
 This does not include the connector section. The main unit is not resistant to chemical or oils.

Host Communications Specifications

Host Communications Interface Specifications

< 1000-CHUD>				
Item Model	V680-CHUD			
Interface connector	Series A plug			
USB version	Ver 1.1			
Communications speed	Full speed (12 Mbps)			
Device class	COM class			

cations				
<v680-ch1e< th=""><th>) or V68</th><th>0-CH1D-PSI></th><th></th></v680-ch1e<>) or V68	0-CH1D-PSI>		
ltem	Model	V680-CH1D	V680-CH1D-PSI	
Connector		D-SUB 9-pin (compatible with IBM PC/AT or compatible) (See note 1.)	D-SUB 9-pin	
Standards		RS-232C		
Transmission path connections		1:1		
Communications method		2-wire half-duplex		
Synchronization		Start-stop (stop bits = 1 or 2) (See note 2	2.)	
Baud rate	2,400, 4,800, 9,600, 19,200, or 38,400 bps (See note 2.)			
Transmission code	Э	ASCII (7-bit) or JIS8 (See note 2.)		
Communications contr	ol procedure	1:1 protocol		
Error detection		Vertical parity (even, odd, or none) (See	note 2.)	
Note 1. To convert 2. Set using a		connector, use the Sunhayato SGC-X9P/2 nmand.	5P-2 or the equivalent.	

This document provides information mainly for selecting suitable models. Please read the Instruction Sheet carefully for information that the user must understand and accept before purchase, including information on warranty, limitations of liability, and precautions.

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Authorized Distributor:

Tag Communications Specifications

Transmission is possible with currently sold V680-series ID Tags.

ID Tags	Communications distance		
ID Tays	Read	Write	
V680-D1KP52MT	0 to 9.0 mm	0 to 7.5 mm	
V680-D1KP52MT (embedded in metal: steel)	0 to 3.0 mm	0 to 2.5 mm	
V680-D1KP66MT	0 to 21.0 mm	0 to 18.0 mm	
V680-D1KP66T	0 to 27.0 mm	0 to 25.0 mm	
V680-D1KP58HT	0 to 19.0 mm	0 to 17.0 mm	
V680-D2KF52M	0 to 7.0 mm	0 to 7.0 mm	
V680-D2KF52M (embedded in metal: steel)	0 to 2.0 mm	0 to 2.0 mm	
V680-D2KF67M	0 to 22.0 mm	0 to 22.0 mm	
V680-D2KF67	0 to 28.0 mm	0 to 28.0 mm	
V680-D8KF68	0 to 32.0 mm	0 to 32.0 mm	
V680-D32KF68	0 to 32.0 mm	0 to 32.0 mm	

- ote. ID Tag Mounting Conditions V680-D1KP52MT: Embedded in resin or steel. V680-D1KP66MT: ID Tag mounted with steel on back surface. V680-D1KP66T: ID Tag mounted on resin surface (no metal on back surface). V680-D1KP58HT: ID Tag mounted on resin surface (no metal on back surface). V680-D2KF57M: ID Tag mounted with steel on back surface. V680-D2KF67N: ID Tag mounted with steel on back surface. V680-D2KF67: ID Tag mounted on resin (no metal on back surface). V680-D2KF67: ID Tag mounted on resin (no metal on back surface). V680-D2KF68: ID Tag mounted on resin (no metal on back surface). V680-D3KF68: ID Tag mounted on resin (no metal on back surface).

Also Available: Psion Teklogix Handheld Terminals

V680-A-7527S-G2-EG-S



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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Omron:

 V680-HA63B 5M
 V700-A41 3M
 V680-CH1D
 CJ1W-V680C11
 V680-HA63A 10M
 CJ1W-V680C12
 V680-CH1D-PSI

 V680-CA5D01-V2
 V680-HA63A 5M
 V680-CA5D02-V2
 V680-CHUD 0.8M
 V680-CHUD 1.9M
 V680-HA63B 10M

 V680-D32KF68
 V680-D8KF68
 V680-D8KF68
 V680-D8KF68
 V680-D8KF68