

# Electromagnetic Coupling RFID System V600

## Non-contact Data Communications System

- New compact, slim Controller with two input channels added to the lineup.
- Superior environmental resistance.
- Heat-resistant Data Carrier available (150°C max.).
- Large memory capacity of 8 kbytes for Built-in-battery Data Carriers and 254 bytes for Battery-less Data Carriers.
- Built-in-battery Data Carriers have a battery life detecting function.
- Data of Battery-less Data Carriers with small memory capacity can be overwritten 300,000 times at normal temperatures.
- Thin, compact, and low-cost Data Carriers are available.
- Transmission distance of 100 mm max.
- CE marking/FCC approvals.



## Ordering Information



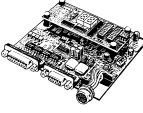


### ■ Data Carriers

Item	Model	Specifications/Design/Memory capacity		
Large Memory Capacity	Built-in-battery Data Carriers			
	V600-D8KR12	Rectangular compact 65 × 40 × 15 mm		
	V600-D8KR13	Thin rectangular 86 × 54 × 10.3 mm		
	V600-D8KR04	Intermediate-range rectangular 86 × 54 × 20 mm		
	Battery-less Data Carriers	V600-D8KF04 <b>NEW</b>	Intermediate-range rectangular 86 × 54 × 20 mm	
Small Memory Capacity	Replaceable-battery Data Carriers	V600-D2KR16	Compact 65 × 40 × 5 mm	2 Kbytes
	Battery-less Data Carriers	V600-D23P71	Ultrathin card-type 86 × 54 × 1.5 mm	254 bytes
		V600-D23P72	Thin half-size card-type 50 × 34 × 1.5 mm	
		V600-D23P66N	Rectangular 34 × 34 × 3.5 mm	
		V600-D23P66SP	Rectangular package with PFA 95 × 36.5 × 6.5 mm	
		V600-D23P61	Rectangular compact 32 × 24 × 6 mm	
		V600-D23P53	Round super-compact 8 dia. × 5 mm	
		V600-D23P54	Round compact 12 dia. × 6 mm	
		V600-D23P55	Round super-compact 8 dia. × 5 mm	



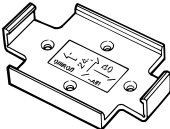
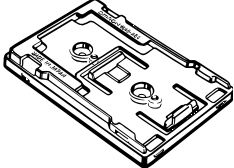
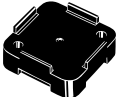
## ■ R/W Heads

Item		Model	Specifications/Design			
Rectangular type		V600-H07 (0.5 m)		Dimensions: 100 × 100 × 30 mm	0.5-m cable	
		V600-H07 (2 m)			2-m cable	
		V600-H07 (5 m)			5-m cable	
		V600-H07 (10 m)			10-m cable	
			V600-H11 (0.5 m)		Dimensions: 53 × 40 × 23 mm	0.5-m cable
			V600-H11-R (0.5 m)			0.5-m cable
			V600-H11 (2 m)			2-m cable
			V600-H11 (5 m)			5-m cable
			V600-H11 (10 m)			10-m cable
Cylinder type		V600-H51 (0.5 m)		Dimensions: 22 dia. × 80 mm	0.5-m cable	
		V600-H51 (2 m)			2-m cable	
		V600-H51 (5 m)			5-m cable	
		V600-H51 (10 m)			10-m cable	
			V600-H52 (0.5 m)		Dimensions: 22 dia. × 85 mm	0.5-m cable
			V600-H52 (2 m)			2-m cable
			V600-H52 (5 m)			5-m cable
			V600-H52 (10 m)			10-m cable
Separate-amplifier type	Amplifier section	V600-HA51 (2 m)		73.8 × 22.6 × 36.5 mm, with 2-m cable		
		V600-HA51 (5 m)			73.8 × 22.6 × 36.5 mm, with 5-m cable	
		V600-HA51 (10 m)			73.8 × 22.6 × 36.5 mm, with 10-m cable	
	Sensor section	V600-HS51		12 dia. × 35 mm deep, with 2-m cable		
		V600-HS61				30.5 × 18 × 10 mm, with a 2-m cable

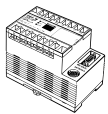
## ■ ID Controllers

Item	Model	Specifications/Design		
DC Power Supply	V600-CA5D02 <b>NEW</b>		24 VDC Two R/W Head channels 105 × 90 × 65 mm	Host RS-232C, RS-422, and RS-485 interfaces
	V600-CD1D-V3		24 VDC Single R/W Head connectable 115 × 68 × 80 mm	RS-232C host interface
	V600-CM1D		24-VDC, 5-VDC 2-system input Single R/W Head connectable Board type	
DC Power Supply	V600-IDSC02		24 VDC RS-232C interface	Two R/W Heads connectable
	V600-IDSC04			Four R/W Heads connectable

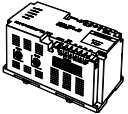
■ Accessories (Order Separately)

Item	Model	Specifications/Design		
Extension cable for R/W Heads	V600-A45	 Standard cable Non-water-resistant connectors	3-m cable	
	V600-A44		5-m cable	
	V600-A40		10-m cable	
	V600-A41		20-m cable	
	V600-A42		30-m cable	
		V600-A56	 Robotic cable Non-water-resistant connectors	3-m cable
		V600-A55		5-m cable
		V600-A50		10-m cable
		V600-A51		20-m cable
		V600-A52		30-m cable
Holder	V600-A81	 For the V600-D2KR16 *Mount with M3 flat countersunk head screws (at least two).		
	V600-A84	 For the V600-D23P71/D23P72 Ultrasonic deposition can be used on the plastic container.		
Attachment	V600-A86	 For the V600-D23P66N		

■ RS-232C Cables (Order Separately)

Model	Cable length	Compatible ID Controllers
XW2Z-200S	2 m	V600-CD1D-V3 V600-CM1D 
XW2Z-500S	5 m	

■ Connectors for ID Controllers (One Set per Unit)

Model	Name	Compatible ID Controllers
XM2A-0901	Connector Plug	V600-CD1D-V3 V600-CM1D 
XM2S-0911	Connector Hood	
MC1.5/5-STF-3.5 (made by Phoenix Contact)	RS-422/RS-485 communications connector	V600-CA5D02 