SHARP

Former Series (discontinued) and Replacement Model

---

* SHARP Image Sensor Cameras

* SHARP RFID Systems

* SHARP FA Display Systems

* SHARP PLC

---

* About Replacement

The following are examples.

Several options are available depending on how conventional Vision Systems (Image Sensor Cameras), RFID Systems, FA Display Systems and PLC are set up (e.g. system configuration and required space).

For more details, please consult with customer support center.

* Customer support center (Only Japanese)

4-1-33, Atobe-honmachi, Yao-city, Osaka, 581-8581, Japan

Phone: +81-(0)72-991-0682

Fax: +81-(0)72-991-0626

SHARP CORPORATION

● Former series (IV–S51M)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Controller	IV–S51M	June 2010	We have no recommended models listed for replacement.For more details, please consult with our customer support center near you.
IV–S51M LCD monitor	IV–08MP		
IV–S51M LCD monitor cable	IV–S50MC2		

● Former series (off-brand product)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Controller	Z–10035M	June 2010	There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.
	Z–10030J		
	Z–10032M	October 2014	
	Z–10033M		

● Former series (IV–S20 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Controller	IV–S20M	June 2010	There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.
Controller (Package Products)	IV–S20		
	IV–S20N		
Camera	IV–S20C1		
Camera conversion cable	IV–S20HC3	March 2016	----
Parameter setting support software for IV-S20	IV–S20SP	August 1999	We have no recommended models listed for replacement.
Expansion camera cable	IV–S20EC2	February 2012	
	IV–S20EC4		

● Former series (IV–S10 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Compact Image Sensor Camera	IV–S10	December 1999	There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.

● Former series (Character Inspection Device)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Character Inspection Device	IV–M32	January 2008	IV–S300 * Character Inspection System

* The specification of the product is different.
　For more details, please consult with our customer support center near you.

● Former series (Monochrome Monitor)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Monochrome monitor	IV–09MT	June 2008	IV–08MTV3 *

* The specification of the product is different.
　For more details, please consult with our customer support center near you.

● Former series (LCD Monitor)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
LCD Color monitor	IV–08MTV	November 2012	IV–08MTV3 *
	IV–08MTV2	December 2015	
	IV–10MT	October 2003	
	IV–10MTV		
	IV–10MTK		

* For more details, please consult with our customer support center near you.

● Former series（LED Lighting Equipment）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
LED Lighting Equipment	IV-60LD	January 2008	We have no recommended models listed for replacement.

● Former series（Halogen Lamps）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Halogen lighting equipment	IV-2A0101	June 2005	MHF-H50LR *
	IV-2A0102	April 2002	MHF-D100LR *
	IV-2A0103	April 2000	MHF-150L *
Halogen lamp	IV-2A0201		LM-50 *
	IV-2A0202	February 2006	LM-100 *
	IV-2A0203	April 2000	LM-150 *
	IV-2A0204		LM-150C *
Ring light guide	IV-2A0301	June 2000	MRG31-1500S *
	IV-2A0302	October 2001	MRG48-1500S *
Straight light guide	IV-2A0401	April 2001	MSG4-1100S *
Plane illumination light guide	IV-2A0701	April 2002	MPP60-1500S *
Quartz adapter	IV-2A0901		KA-03 *

● Former series（Lenses）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
CCTV lens	IV-1A0107	January 2004	ML-7527 *
	IV-1A0103	October 2014	---
	IV-1A0104		
	IV-1A0105		
Tele-centric lens	IV-1A0301	March 2002	MML1-65D *
	IV-1A0302	June 2001	MML2-65D *
CCTV lens	IV-1A1101	June 2010	ML-17-07516 *
	IV-1A1102	March 2002	ML-17-1520 *
	IV-1A1103	June 2010	ML-17-2431 *
Tele-centric lens	IV-1A1301	June 2000	MML1-65D-CM1 *
	IV-1A1302		MML2-65D-CM1 *

● Former series（Stage for camera）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Stage for camera	IV-LS151	February 2012	We have no recommended models listed for replacement.
	IV-LS152		

● Former series（Security camera）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Security camera	IV-D500C	September 2015	---

● Former series（IV-S30J）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Compact image sensor camera	IV-S30J	March 2016	*
Camera conversion cable	IV-S20HC3	March 2016	---

＊ There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.

● Former series (IV-S30 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Controller	IV-S31M	October 2014	There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.
	IV-S31MX		
	IV-S32M		
	IV-S32MX		
	IV-S33M	April 2016	
	IV-S33MX		
Controller (Color)	IV-C35M	October 2014	
Image Positioning Controller	IV-A33M2		
	IV-A33M4		
Camera converter	IV-S30EA1		
Camera (Micro camera)	IV-S30C2	June 2010	
Camera (Micro high-speed camera)	IV-S30C4		
Camera (Color)	IV-C30C5	October 2014	
Camera (Standard camera)	IV-S30C1	April 2016	
Camera (High-speed camera)	IV-S30C3		
Camera conversion cable	IV-S30HC	June 2010	We have no recommended models listed for replacement.
Camera cable (3m)	IV-S30KC3	April 2016	There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.
Camera cable (5m)	IV-S30KC5		
Camera cable (7m)	IV-S30KC7		
Remote keypad	IV-S30RK1		
Parameter Setting Support Software	IV-S30SP	October 2014	We have no recommended models listed for replacement.
Image Processing Library	IV-S30LB1		

● Existing series (IV-S200 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
CMOS High-speed digital camera	IV-S200C7	February 2014	IV-S300C7
High-speed Megapixel CCD digital camera	IV-S210C1	September 2015	There are no perfectly alternative models for them as regards the function and the outer shape but we can offer choices from the upper models or others. Please contact us at our customer support center near you.
Camera cable	IV-S201K3		
	IV-S201K5		

● Former series (L1/L2 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
LCD terminal	Z-164SM	April 1996	Shifted to high grade types (ZM series). Please consider replacement with the latest model (including programmable controller etc.)
	Z-264SM	December 1991	
	Z-165SM	April 1996	
	Z-265SM		
Memory card	Z-1MC		
Screen edit software	Z-908SP		
LCD terminal	Z-SM10	July 1999	
Key unit for Z-SM10	Z-SM1K		
Key unit connection cable	Z-SM1C	April 1996	

● Former series (ZM–30/40/41/42/43/52/60/61/62/70/72/82)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
LCD control terminal	ZM–30L	March 2001	ZM–542DN/542DAN *
	ZM–30E		
	ZM–40L		
	ZM–41L		
	ZM–42L	June 2005	
	ZM–43L	December 2010	
	ZM–40D	March 2001	
	ZM–41D		
	ZM–42D	June 2005	
	ZM–43D	December 2010	
	ZM–43T		ZM–542TN/542TAN *
	ZM–52D	March 2003	ZM–562TN/562TAN *
	ZM–52HD	December 2012	ZM–552HA *
	ZM–60E	April 1996	ZM–573TLN *
	ZM–61E	March 2001	ZM–562TN/562TAN *
	ZM–62E	October 2009	
	ZM–61T	March 2001	ZM–571TAN *
	ZM–70D		
	ZM–70T		
	ZM–72D	April 2004	ZM–571TLN *
	ZM–72DC		
	ZM–72T	March 2003	ZM–571TAN *
	ZM–72TC		
	ZM–72TV	December 2002	–––
	ZM–72TVC		
	ZM–72TS	March 2003	ZM–571SAN *
	ZM–72TSC		
	ZM–72TSV	December 2002	–––
	ZM–72TSVC		
	ZM–72DM	April 2004	ZM–573TLN *
	ZM–72DCM		
	ZM–72TCM		ZM–573TLN/573TAN *
	ZM–82D	March 2001	ZM–581SAN *
	ZM–82DC		
	ZM–82T	March 2003	
	ZM–82TC		
	ZM–82TV	December 2002	–––
	ZM–82TVC		
	ZM–82TCM	April 2004	ZM–583SAN *
	ZM–82TVCM	December 2002	
Expansion flash memory	ZM–43EM	December 2010	–––
	ZM–2EM	March 2001	
	ZM–4EM	June 2005	
Expansion SRAM memory	ZM–43SM	December 2010	
	ZM–80SM	June 2005	
Expansion I/O unit	ZM–322M		
Cable	ZM–30C	March 2001	
	ZM–60C		
	ZM–80PC	October 2009	
Screen shield	ZM–52GS	June 2005	
	ZM–72GS		
	ZM–82GS		
Screen edit software	ZM–30S	March 2001	
	ZM–31S		
	ZM–31SE		
	ZM–60S	April 1996	
	ZM–70S	March 2001	ZM–71S
	ZM–71SE	December 2012	

* Screen size/attachment space/wiring/hardware etc. will occasionally vary.
  For more details, please consult with our customer support center near you.

● Former series (ZM-300 series)

Discontinued models			**Recommended model for replacement**
Item	**Model**	**Discontinued month/yr**	
LCD control terminal	ZM-342D	December 2012	ZM-542DN/542DAN [*1]
	ZM-342T		ZM-542TN/542TAN [*1]
	ZM-352D		ZM-562TN/562TAN [*1]
	ZM-362S		ZM-562SAN [*1]
	ZM-362SA		
	ZM-371TL		ZM-571TLN [*1]
	ZM-371T		ZM-571TAN [*1]
	ZM-371TA		
	ZM-371S		ZM-571SAN [*1]
	ZM-371SA		
	ZM-372T		ZM-572TAN [*1]
	ZM-372TA		
	ZM-372S		ZM-572SAN [*1] (Custom-made)
	ZM-372SA		
	ZM-373TL		ZM-573TLN [*1]
	ZM-373TA		ZM-573TAN [*1]
	ZM-381S		ZM-581SAN [*1]
	ZM-381SA		
	ZM-382S		ZM-582SAN [*1] (Custom-made)
	ZM-382SA		
	ZM-383S		ZM-583SAN [*1]
	ZM-383SA		
	Z-2812Z00		ZM-591XAN [*1] (Custom-made)
Expansion memory	ZM-300EM		We have no recommended models listed for replacement.
	ZM-340EM		
	ZM-300SM		
Expansion I/O unit	ZM-322ME	October 2014	
Card recorder	ZM-1REC	December 2012	
Terminal converter	ZM-1TC		ZM-2TC [*1]
Cable	ZM-300PC		―――
	ZM-80MC	October 2014	
Optional unit	ZM-340EU	December 2012	ZM-540DUN [*1]
	ZM-301EU		We have no recommended models listed for replacement.
	ZM-302EU	July 2011	
	ZM-303EU	December 2012	
	ZM-304EU		
Network unit	ZM-80NU	June 2010	Z-5475ZET [*2] (Ethernet)
	ZM-80NU2		Z-5475ZET [*2] (Ethernet) Z-5476ZFL [*2] (FL-net <Ver.2>)
Screen shield	ZM-42GS	December 2012	We have no recommended models listed for replacement.
	ZM-361GS		
	ZM-362GS		
	ZM-371GS		
	ZM-372GS		
	ZM-381GS		
	ZM-382GS		

*1 For more details, please consult with our customer support center near you.
*2 Custom-made.
   The specification of the product is different.
   For more details, please consult with our customer support center near you.

● Former series (ZM-90T/91T/92T/93T/94T/95T/94V1)

Discontinued models			**Recommended model for replacement**
Item	**Model**	**Discontinued month/yr**	
LCD terminal	ZM-90T	March 1996	We have no recommended models listed for replacement.
	ZM-91T		
	ZM-92T	April 2005	
	ZM-93T		
	ZM-94T		
	ZM-95T	July 2012	
Fitting frame	ZM-94V1		

● Former series (JB1 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Control module	JB-11D	March 1995	---
	JB-12A		
	JB-12D		
	JB-11A	October 2014	
Memory module	JB-11M	March 1995	
	JB-12M		
Expansion cable	JB-05EC		
Programmer	JB-1PG		
Parameter setting software for PC98	JB-19SP		
Electronic databook card	JB-9C01		

● Former series (W10 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Basic module	ZW-28M111	March 1995	---
	ZW-28M114		
	ZW-28M122		
	ZW-28M124		
	ZW-28M324		
	ZW-28M424		
Expansion module	ZW-28N1S1		
	ZW-28N1S4		
	ZW-28N2S2		
	ZW-14N2S4		
	ZW-28N2S4		
Computer link module	ZW-10CL2		
Data link slave module	ZW-10DL9		
Remote I/O master module	ZW-10RM1		
Remote I/O slave module	ZW-10RS1		
Programmer	ZW-10PG1		
AC adapter	ZW-10AC		
Two layer tool	ZW-10TL		
Expansion cable	ZW-10C1		
	ZW-10C2		
Connection cable for support tools	ZW-10C3		

● Former series (W16 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Control module	ZW-160CU	September 1993	Shifted to high grade types (JW30S/300S series). Please consider replacement with JW30S/300S series.
Expansion power supply module	ZW-160PU1		
I/O module	ZW-24NS1		
	ZW-24NS2		
	ZW-24NS3		
	ZW-24NS4		
	ZW-24NS5		
	ZW-32NS1		
	ZW-32NS2		
	ZW-32NS3		
	ZW-32NS4		
	ZW-32NS5		
Computer link module	ZW-160CL2		
Data link module	ZW-160DL1		
	ZW-160DL9		
Remote I/O master module	ZW-160RM1		
Remote I/O slave module	ZW-160RS1		
Expansion tools	ZW-160TL1		
I/O expansion cable	ZW-700C		
W16-W51interconnection cable	ZW-900C		
	ZW-1500C		

● Former series (W51 series)

Discontinued models		Discontinued month/yr	Recommended model for replacement
Item	Model		
Control module	ZW-501CU	December 1999	Shifted to high grade types (JW50H series). Please consider replacement with JW50H series.
	ZW-501CU2		
	ZW-501CU3		
	ZW-501CUS		
	Z-9501	March 1995	
	Z-9502		
Expansion RAM module	ZW-501MA	December 1999	
Expansion ROM module	ZW-501MO		
	ZW-501MO2		
Expansion power supply module	ZW-100PU1		
	ZW-100PU2		
Basic rack panel	ZW-504KB		
	ZW-506KB		
	ZW-508KB		
Expansion rack panel	ZW-508ZB		
	ZW-102ZB		
	ZW-104ZB		
	ZW-108ZB		
I/O expansion cable	ZW-05KC		
	ZW-1KC		
	ZW-2KC		
	ZW-3000C		
Input module	ZW-16N1		
	ZW-16N2		
	ZW-16N3		
	ZW-32N1T		
	ZW-32N2		
	ZW-32N2T		
	ZW-64N2		
Output module	ZW-8S1	December 1999	
	ZW-8S2		
	ZW-16S1		
	ZW-16S2		
	ZW-16S3		
	ZW-16S4		
	ZW-16S4D		
	ZW-32S1T		
	ZW-32S2		
	ZW-32S2T		
	ZW-32S2TD		
	ZW-32S4T		
	ZW-32S5		
	ZW-32S5T		
	ZW-64S2		
I/O module	ZW-32IO2		
Dummy module	ZW-100DM		
Analog input module	ZW-4AD2		
Analog output module	ZW-2DA2		
High speed counter module	ZW-1HC5		
	ZW-1HC6		
ID plate I/F module	ZW-10DU		
ID plate	ZW-2DP		
Serial I/F module	ZW-232SU		
Pulse catch module	ZW-14PC2		
Pulse output module	ZW-1PO2		
I/O link master module	ZW-31LM		
Positioning basic module	ZW-102PM		
	ZW-112PM		
Positioning expansion module	ZW-202PM		
Teaching module	ZW-100TU		
Computer link module	ZW-501CL1	January 1984	
	ZW-501CL2	December 1999	
Data link module	ZW-501DL1		
	ZW-501DL9		
Remote I/O master module	ZW-501RM1		
Remote I/O slave module	ZW-501RS1		
BRAIN link module	ZW-501BL		

● Former series (W100 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Control module	ZW-1K0CU	July 1991	
	ZW-1K1CU		
	ZW-1K2CU		
	ZW-1K3CU		
Expansion memory module	ZW-1K0MA1		
	ZW-1K0MA2		
	ZW-1K0MA3		
	ZW-1K0MA4		
Expansion power supply module	ZW-100PU1	December 1999	
	ZW-100PU2		
Expansion rack panel	ZW-508ZB		
	ZW-102ZB		
	ZW-104ZB		
	ZW-108ZB		
I/O expansion cable	ZW-05KC		
	ZW-1KC		
	ZW-2KC		
	ZW-3000C		
Input module	ZW-16N1		
	ZW-16N2		
	ZW-16N3		
	ZW-32N1T		
	ZW-32N2		
	ZW-32N2T		
	ZW-64N2		
Output module	ZW-8S1		Shifted to high grade types (JW70H/100H series). Please consider replacement with JW70H/100H series.
	ZW-8S2		
	ZW-16S1		
	ZW-16S2		
	ZW-16S3		
	ZW-16S4		
	ZW-16S4D		
	ZW-32S1T		
	ZW-32S2		
	ZW-32S2T		
	ZW-32S2TD		
	ZW-32S4T		
	ZW-32S5		
	ZW-32S5T		
	ZW-64S2		
I/O module	ZW-32IO2		
Dummy module	ZW-100DM		
Analog input module	ZW-4AD2		
Analog output module	ZW-2DA2		
High speed counter module	ZW-1HC5		
	ZW-1HC6		
ID plate I/F module	ZW-10DU		
ID plate	ZW-2DP		
Serial I/F module	ZW-232SU		
Pulse catch module	ZW-14PC2		
Pulse output module	ZW-1PO2		
I/O link master module	ZW-31LM		
Positioning basic module	ZW-102PM		
	ZW-112PM		
Positioning expansion module	ZW-202PM		
Teaching module	ZW-100TU		
Computer link module	ZW-1K0CL2	July 1991	
Data link module	ZW-1K0DL9		
Remote I/O master module	ZW-1K0RM1		
Remote I/O slave module	ZW-501RS1	December 1999	

● Former series (W70H/100H series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Control module	ZW−1HCU	December 1999	Shifted to high grade types (JW70H/100H series). Please consider replacement with JW70H/100H series.
	ZW−70CU		
Memory module	ZW−1MA	March 1995	
	ZW−2MA		
	ZW−3MA		
	ZW−4MA		
	ZW−4MAS	December 1995	
Power supply module	ZW−1PU	April 1995	
	ZW−2PU	August 1995	
Expansion power supply module	ZW−100PU1	December 1999	
	ZW−100PU2		
Basic rack panel	ZW−08BU		
	ZW−02KB		
	ZW−04KB		
	ZW−28KB		
	ZW−46KB		
Expansion rack panel	ZW−508ZB		
	ZW−102ZB		
	ZW−104ZB		
	ZW−108ZB		
I/O expansion module	ZW−10EU		
I/O expansion cable	ZW−05KC		
	ZW−1KC		
	ZW−2KC		
	ZW−3000C		
Input module	ZW−16N1		
	ZW−16N2		
	ZW−16N3		
	ZW−32N1T		
	ZW−32N2		
	ZW−32N2T		
	ZW−64N2		
Output module	ZW−8S1		
	ZW−8S2		
	ZW−16S1		
	ZW−16S2		
	ZW−16S3		
	ZW−16S4		
	ZW−16S4D		
	ZW−32S1T		
	ZW−32S2		
	ZW−32S2T		
	ZW−32S2TD		
	ZW−32S4T		
	ZW−32S5		
	ZW−32S5T		
	ZW−64S2		
I/O module	ZW−32IO2		
Dummy module	ZW−100DM		
Analog input module	ZW−4AD2		
Analog output module	ZW−2DA2		
High speed counter module	ZW−1HC5		
	ZW−1HC6		
ID plate I/F module	ZW−10DU		
ID plate	ZW−2DP		
Serial I/F module	ZW−232SU		
Pulse catch module	ZW−14PC2		
Pulse output module	ZW−1PO2		
I/O link master module	ZW−31LM		
Positioning basic module	ZW−102PM		
	ZW−112PM		
Positioning expansion module	ZW−202PM		
Teaching module	ZW−100TU		
Remote I/O slave module	ZW−501RS1		
Link module	ZW−10CM	March 1995	
Network module (satellite net)	ZW−20CM		
ME−NET module	ZW−20CM2		
Remote I/O slave module	ZW−20RS		
Network module (SUMINET 3200)	ZW−30CM	May 2000	

● Former series (BRAIN 100 series)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Control module	Z-1TC0CU	May 1986	We have no recommended models listed for replacing BRAIN 100 series (special models). For more details, please consult with our customer support center near you
	Z-1TC1CU	July 1991	
Memory module	Z-1TC0MA1		
	Z-1TCOMA2		
Basic rack panel	Z-1TC6KB		
Serial I/F module	Z-1TC0SI1		
	Z-1TC1SI1		
Bus I/F module	Z-1TC0BS1		
PC link module	Z-1B01PL		
Terminal software	Z-1TC1TS1	September 1986	

● Former series（Tool）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Handy programmer	ZW-100PG1	September 1991	JW-15PG *
	ZW-101PG1	December 1999	
	ZW-10PG1S		
	JW-10PG	September 1991	
	JW-11PG	March 1995	
	JW-12PG	November 1995	
	JW-13PG	January 1998	
	JW-14PG	June 2003	
	JW-2PG	October 2006	
Ladder processor	Z-100LP1	March 1989	JW-300SP *
Ladder processor II	Z-100LP2	February 1987	
	Z-100LP2S	April 1996	
	Z-100LP2F		
LP II expansion module	Z-1LP2EM	December 1987	
	Z-2LP2EM	January 1987	
	Z-3LP2EM	May 1995	
	Z-3LP2ES	November 1993	
Multi function programmer	JW-30PG	September 1991	
	JW-32PG		
	JW-40PG	August 1995	
	JW-50PG	May 1997	
Ladder software	JW-91SP	March 1995	
	JW-92SP	August 2007	
	JW-50SP		
	JW-52SP		
Communication adapter	JW-100SA		JW-100UA *
LCD programmer	ZW-100PG2	June 1993	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
Information cassette for LCD programmer	ZW-100PS2	November 1983	
	ZW-100PS3	April 1996	
CF loader	ZW-100CF1	September 1991	
Information cassette for cassette loader	ZW-100MS1	December 1983	
	ZW-100MS3	April 1996	
Information cassette for CRT programmer	ZW-100CS1	February 1984	
	ZW-100CS3	April 1996	
ROM writer	ZW-100WR1	June 1993	
Ladder software (for MZ-6500)	Z-506CA	December 1986	
Ladder software (for PC-9801)	Z-509CA	March 1987	
Ladder software for common PD	JW-31SP	April 1996	
SFC software for JW20	JW-33SP	September 1991	

＊ These are not complete replacement models but can be connected, as far as their functionality is concerned.
　 For more details, please consult with our customer support center near you.

● Former series（PD etc.）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
RS232C/422 converter	Z-100HE	March 1989	Z-101HE
Network module	ZW-20AX	June 2002	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
	ZW-98CM	April 2001	
ME-NET module	JW-90MN	June 2002	
	JW-98MN	April 2001	
	ZW-11MN	March 1995	
Optic adapter (for master port)	Z-101OLA	June 1991	
Optic adapter (for medial port)	Z-101OLB		
Optic adapter (for end port)	Z-101OLC		

● Former series（JW20 series）

Discontinued models			Recommended model for replacement
Item	**Model**	**Discontinued month/yr**	
Expansion rack panel	JW–24ZB	August 1997	JW–34ZB
	JW–26ZB		JW–36ZB
	JW–28ZB		JW–38ZB
Input module	JW–201N	April 1996	*
	JW–202N		
	JW–203N	March 2006	
	JW–211N	February 1999	JW–211NA
	JW–212N		JW–212NA
	JW–214N		JW–214NA
Output module	JW–202S	April 1996	*
	JW–203S	July 1999	
	JW–204S	April 1996	JW–204SA
	JW–212S	February 1999	JW–212SA
	JW–213S		JW–213SA
	JW–214S		JW–214SA
I/O link master module	JW–23LM	July 1996	JW–23LMH
I/O module cover	JW–20CV	April 1996	*

* We have no recommended models listed for replacement.
　8 points I/O module can be replaced with 16 points I/O module.
　For more details, please consult with our customer support center near you.

● Former series（JW50/70/100 series）

Discontinued models			Recommended model for replacement
Item	**Model**	**Discontinued month/yr**	
Control module	JW–50CU	March 1995	JW–50CUH
	JW–50CUM	March 1992	
	JW–50CUS	December 1994	
	JW–70CU	March 1995	JW–70CUH
	JW–70CUM	March 1992	
	JW–70CUS3	December 1994	JW–70CUH + JW–3MAH
	JW–70CUS4		JW–70CUH + JW–4MAH
	JW–100CU	March 1995	JW–100CUH
	JW–100CUM	March 1992	
Memory module	ZW–1MA	March 1995	JW–1MAH
	ZW–2MA		JW–2MAH
	ZW–3MA		JW–3MAH
	ZW–4MA		JW–4MAH
	ZW–4MAS	December 1995	
Power supply module	ZW–1PU	April 1995	JW–1PU
	ZW–2PU	August 1995	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
Link module	ZW–10CM	March 1995	JW–10CM
Network module (satellite net)	ZW–20CM		JW–52FL *
ME–NET module	ZW–20CM2		
I/O link master module	JW–31LM	October 1996	JW–31LMH
Remote I/O slave module	ZW–20RS	March 1995	JW–50DN2 *

* For more details, please consult with our customer support center near you.

● Former series（Products for ME–NET equipment vender）

Discontinued models			Recommended model for replacement
Item	**Model**	**Discontinued month/yr**	
ME–NET board	JW–10MN	March 2012	We have no recommended models listed for replacement.
	JW–12MN		

● Former series (JW10 series)

Discontinued models		Discontinued month/yr	Recommended model for replacement
Item	Model		
Basic module	JW-1324K	March 2015	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
	JW-1424K		
	JW-1624K		
	JW-1342K		
	JW-1442K		
	JW-1642K		
Expansion module	JW-112N		
	JW-112S		
	JW-114S		
	JW-1124NS		
	JW-1324NS		
Analog input module	JW-14AD		
Analog output module	JW-12DA		
PG connection cable	JW-12KC		
Expansion cable	JW-104EC		
Communication cable for JW10	JW-12KD		
	JW-12KE		
JW10 link module	JW-25CM		

● Former series (JW20H series)

Discontinued models		Discontinued month/yr	Recommended model for replacement *
Item	Model		
Control module	JW-21CU	September 2015	JW-31CUS1 etc.
	JW-22CU		
Memory module（RAM）	JW-21MA		Built in JW-31CUS1 and others *
	JW-22MA		
Memory module（EEPROM）	JW-21ME		
Memory module（EPROM）	JW-21MO		
Basic rack panel	JW-24KB		JW-34KB
	JW-26KB		JW-36KB
	JW-28KB		JW-38KB
Power supply module	JW-21PU		JW-301PU

* With regard to JW20 series, it is basically possible to convert the system to that of JW30S/300S.
　We can renew your system, offer the replacement of your components and accept orders from you.
　Ask us about that at our customer support center near you.

● Former series (JW-32CV series)

Discontinued models		Discontinued month/yr	Recommended model for replacement
Item	Model		
VME built-in controller	JW-32CV1	June 2013	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
	JW-32CV2		
	JW-32CV3	September 2015	

● Former series (J-board: Z-300/500 series)

Discontinued models			Recommended model for replacement
Item	**Model**	**Discontinued month/yr**	
CPU board	Z-313J	March 2006	Z-300/500 series [J-board] are board types. There are no recommended alternative models for them in terms of shape. We can suggest ideas of replacing them with JW30S series or others and accept orders to do so. Please consult with our customer support center near you.
CPU board	Z-201J	October 2014	
CPU board	Z-714J	October 2014	
CPU board	Z-311J	November 2016	
CPU board	Z-312J	November 2016	
CPU board	Z-511J	November 2016	
CPU board	Z-512J	November 2016	
I/O board	Z-325J	March 2006	
I/O board	Z-324J	October 2014	
I/O board	Z-321J	November 2016	
I/O board	Z-322J	November 2016	
I/O board	Z-323J	November 2016	
Communication board	Z-331J	March 2006	
Communication board	Z-332J	November 2016	
Communication board	Z-333J	August 2007	
Communication board	Z-334J	March 2012	
Communication board	Z-335J	March 2006	
Communication board	Z-336J2	November 2016	
Communication board	Z-337J	September 2015	
Special I/O board	Z-352J	January 2013	
Special I/O board	Z-353J	January 2013	
Special I/O board	Z-356J	January 2013	
Special I/O board	Z-351J	September 2015	
Special I/O board	Z-354J	September 2015	
Special I/O board	Z-341J	November 2016	
Special I/O board	Z-342J	November 2016	

● Existing series（JW300/30H series）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Control module	JW-31CUH	June 1997	JW-31CUS1
	JW-32CUH		JW-32CUS1
	JW-33CUH		JW-33CUS1
	JW-32CUM1	June 2013	JW-32CUS1 + JW-21CM + JW-20DN2
	JW-32CUM2		JW-32CUS1 + JW-20DN2（×2）
	JW-31CUH1	April 2014	JW-31CUS1
	JW-32CUH1		JW-32CUS1
	JW-33CUH1		JW-33CUS1
	JW-33CUH2		JW-33CUS2
	JW-33CUH3		JW-33CUS3
	JW-311CU		JW-311CUS
	JW-312CU		JW-312CUS
	JW-321CU		JW-321CUS
	JW-322CU		JW-322CUS
	JW-331CU		JW-331CUS
	JW-332CU		JW-332CUS
	JW-341CU		JW-341CUS
	JW-342CU		JW-342CUS
	JW-352CU		JW-352CUS
	JW-362CU		JW-362CUS
Basic rack panel	JW-34KBM	June 2013	We have no recommended models listed for replacement.
Network module	JW-22CM	March 2012	JW-300CM [*1]
ME-NET module	JW-21MN		
Power supply module	JW-31PU	September 2015	JW-301PU [*2]
	JW-33PU		JW-303PU [*2]
High-speed counter module	JW-21HC		JW-22HC [*3]
Pulse output module	JW-21PS		We have no recommended models listed for replacement.
FL-net module	JW-20FLT		JW-300CM [*4]
Output module	JW-215SA	November 2016	JW-214SA (relay output)

*1 For more details, please consult with our customer support center near you.
*2 The color of the cabinet of JW31PU/JW33PU was blue, but it is black for JW301PU/JW303PU.
*3 Note that JW22HC has no 4-point comparative output nor 2-point interrupt input, and its control unit program is different from the others.
*4 Note that the FL-net communication by JW300CM is version 2. If you convert JW20FLT, which is version 1 product, to JW300CM, it is necessary to convert the whole communication system to JW300CM.

● Existing series（JW50H/70H/100H series）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Microcomputer module	JW-10MU	October 2006	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
Positioning basic module	JW-12PM	January 2008	
Positioning expansion module	JW-22PM	November 2007	
Positioning teaching module	JW-10TU	August 2007	
Pulse output module	JW-12PS	September 2011	
	JW-14PS		
Network module	JW-20CM	March 2012	JW-52FL [*]
ME-NET module	JW-20MN		
Remote I/O slave module	JW-20RS		JW-50DN2 [*]
Drop cable set	ZW-4DC	September 2012	We have no recommended models listed for replacement.
Cable terminal set	ZW-1TC		
Power supply module	JW-2PU	September 2015	
Power supply module	JW-35S	November 2016	JW-34S (relay output)

* For more details, please consult with our customer support center near you.

● Existing series（Ethernet）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
Ethernet module	JW-25TCM	January 2008	JW-300CM
	JW-50CM	October 2014	JW-51CM
	JW-255CM		JW-300CM
Ethernet board	Z-339J		---

● Existing series (FL-net)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
FL-net module	JW-22FLT	January 2008	JW-300CM
	JW-50FL	January 2013	JW-52FL *1 (Ver.2)
	JW-20FL5	October 2014	JW-300CM (10BASE5 is non-compliant)
	JW-22FL5		
	JW-20FLT	September 2015	JW-300CM *2
FL-net board	Z-336J	January 2013	Z-300/500 series [J-board] are board types. There are no recommended alternative models for them in terms of shape. We can suggest ideas of replacing them with JW30S series or others and accept orders to do so. Please consult with our customer support center near you.
	Z-336J2	November 2016	

*1 For more details, please consult with our customer support center near you.
*2 Note that the FL-net communication by JW300CM is version 2. If you convert JW20FLT, which is version 1 product, to JW300CM, it is necessary to convert the whole communication system to JW300CM.

● Existing series (DeviceNet)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
DeviceNet master module	JW-20DN	October 2003	JW-20DN2 *1
	JW-50DN		JW-50DN2 *2
DeviceNet master board (with 32 I/O)	Z-338J	January 2013	---
DeviceNet slave module	JW-D164N	October 2003	JW-D164NH *3
	JW-D162S		JW-D162SH *3
	JW-D162M		JW-D162MH *3
	JW-D325SH	October 2014	---
	JW-D325MH		
	JW-D165SH	November 2016	JW-D162SH (sink mode output)
	JW-D165MH		JW-D162MH (sink mode output)

*1 JW-20DN2 is a succeeding model, the upper compatibility of conventional model JW-20DN, and the termination resistance switch, etc. are added.
*2 JW-50DN2 is a succeeding model, the upper compatibility of conventional model JW-50DN, and internal processing has been sped up.
*3 JW-D164NH/D162SH/D162MH is a succeeding model, the upper compatibility of conventional model JW-D164N/D162S/D162M, and internal processing has been sped up.
For more details, please consult with our customer support center near you.

● Existing series (I/O link)

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
I/O link slave module (8 points)	ZW-82N	April 2004	ZW-164NH *1
	ZW-84NC		*2
	ZW-82S		ZW-162SH *1
I/O link slave module (16 points)	ZW-161S	October 2014	*2
	ZW-161N	September 2015	---
	ZW-162N		ZW-164NH *3
	ZW-162S		ZW-162SH *3
	ZW-164S		---
	ZW-162M		ZW-162MH *3
I/O link slave module (Sensor connector type)	ZW-162MC	October 2014	*2
	ZW-165MC	August 2007	*2

*1 The I/O setting is different.
*2 We have no recommended models listed for replacement.
For more details, please consult with our customer support center near you.
*3 Note that the form of the unit and the terminal block, the signal constellation, and the method of the common are different from the others.

● Existing series（RFID Systems）

Discontinued models			Recommended model for replacement
Item	Model	Discontinued month/yr	
ID controller (PLC-mount type)	JW-21DU	April 1996	JW-22DU
	JW-11DU		
	JW-12DU	November 2016	―――
	Z-355J		
ID controller (independent type)	DS-20D	October 2000	DS-30D
Read/Write head (optic type)	DS-2AL		We have no recommended optic models listed for replacement. For more details, please consult with our customer support center near you.
Tag (optic type)	DS-1PL1	April 1997	
	DS-1PL2		
	DS-8PL1		
	DS-8PL2	October 2000	
Tag (microwave type)	DS-8P	August 2009	DS-8PK *
	DS-1PK	October 2014	DS-8PK *
Tag (Thin mold tag)	RZ-3TG1	August 2012	―――
Antenna (standard type)	DS-1A	January 2008	DS-1AKT *
	DS-1AH		We have no recommended models listed for replacement.
	DS-5A		DS-5AKT *
	DS-20A		DS-20AK *
Antenna (high-speed type)	DS-10AK	May 2012	DS-10AKT *
	DS-20AK6		
	DS-20AKR		
	DS-20AKT		
	DS-1AK	October 2014	DS-1AKT *
	DS-5AK		DS-5AKT *
Extension cable	DS-5C	January 2008	DS-5CK *
	DS-10C		DS-10CK *
	DS-20C		DS-20CK *
	DS-30C		DS-30CK *
Handy reader/writer	DS-30PG	September 2008	―――
Tag(UHF)	HZ-RF92	January 2013	We have no recommended models listed for replacement. For more details, please consult with our customer support center near you.
Reader/Writer(UHF)	RI-2TR4U		
Antenna(UHF)	RI-1AT1U		
Antenna cable(UHF)	RI-1AC5U		
Reader/Writer with an integrated antenna	DS-10RW	September 2015	―――
antenna	RI-1AT1A		
	RI-2AT2V		
	RZ-1AT4A		

＊For more details, please consult with our customer support center near you.