

Available Functions

PLCs

Operator Interfaces

Automation Software

Power Supplies

Sensors

Communication & Networking

Category	Item	HG1F	HG2F		HG3F	HG4F
			Standard	CC Switch Option		
Communication	PLC link communication	√	√	√	√	√
	DM link communication	√	√	√	√	√
	OI link communication	√	√	√	√	√
	Ethernet	—	—	—	√	√
	No host	√	√	√	√	√
User Memory		1 MB	2 MB	2 MB	8 MB*	8 MB*
Interface	RS232C/RS485 (422)	√	√	√	√	√
	Ethernet	—	—	—	√	√
	CF card slot	—	√	√	√	√
	Parallel	—	—	—	√	√
Display Color	256 colors	—	√	√	√	√
	Monochrome	√	√	√	—	—
Brightness	(cd/m ²)	500	250	250	450	400
Resolution	(pixels)	300 x 100	320 x 240	320 x 160**	640 x 480	800 x 600
Touch Switch		—	16 x 12	16 x 8	32 x 24	40 x 30
CC Switch		—	—	4 x 1 row (bottom)	—	—
Expansion Unit	Digital I/O unit	—	√	√	√	√
Features	System program download	√	√	√	√	√
	Font download	√	√	√	√	√
	Download via Ethernet	—	—	—	√	√
	Download via OI link	√	√	√	√	√
	Project transfer via CF card	—	√	√	√	√
	Printer output	√	√	√	√	√
	Backlight replacement	√	√	√	√	√
	Environment resistance	√	√	√	√	√
	Simulation	√	√	√	√	√
	Pass through	√	√	√	√	√
Functions	Device monitor	√	√	√	√	√
	Web server function	—	—	—	√	√
	Overlapped screens	√	√	√	√	√
	Sub-screen superimpose	√	√	√	√	√
	Text group switching	√	√	√	√	√
	Script	√	√	√	√	√
	Part operating condition setting	√	√	√	√	√
	Alarm log	√	√	√	√	√
	Logging	√	√	√	√	√
	Recipe	√	√	√	√	√
Password setting	√	√	√	√	√	
Parts	Bit button	√	√	√	√	√
	Word button	√	√	√	√	√
	Goto screen button	√	√	√	√	√
	Print button	√	√	√	√	√
	Key button	√	√	√	√	√
	Keypad	√	√	√	√	√
	Selector switch	√	√	√	√	√
	Potentiometer	√	√	√	√	√
	Numerical input	√	√	√	√	√
	Character input	√	√	√	√	√
	Pilot lamp	√	√	√	√	√
	Picture display	√	√	√	√	√
	Message display	√	√	√	√	√
	Message switching display	√	√	√	√	√
	Alarm list display	√	√	√	√	√
	Alarm log display	√	√	√	√	√
	Numerical display	√	√	√	√	√
	Bar graph	√	√	√	√	√
	Trend chart	√	√	√	√	√
	Pie chart	√	√	√	√	√
Meter	√	√	√	√	√	
Calendar	√	√	√	√	√	
WindO/I-NV2 Functions	Bit write command	√	√	√	√	√
	Word write command	√	√	√	√	√
	Goto screen command	√	√	√	√	√
	Timer	√	√	√	√	√
	Print command	√	√	√	√	√
	Screen print command	√	√	√	√	√
	Debugging	√	√	√	√	√
	Log data upload tool	√	√	√	√	√
	Graphic library tool	√	√	√	√	√
	Screen import	√	√	√	√	√
	Text browser	√	√	√	√	√
	Device browser	√	√	√	√	√
	Script browser	√	√	√	√	√
	Picture browser	√	√	√	√	√
	Basic/advanced mode	√	√	√	√	√
Preview	√	√	√	√	√	
Windows font	√	√	√	√	√	
Library function	√	√	√	√	√	
Global replace	√	√	√	√	√	
Work space	√	√	√	√	√	

*2MB used for OS
 **four tactile push regions (40 x 70 pixels)

Part Numbers

OI Touchscreen

	Part Numbers	Bezel Color	Description
12.1"	HG4F-JT22TFW	Light Gray	Color TFT LCD Touchscreen
	HG4F-JT22TFB	Black*	Color TFT LCD Touchscreen
	HG4F-JT22TFW-DH485-500	Light Gray	Color TFT LCD Touchscreen with DF1 / DH485 converter/cable package for SLC 500 (w/RJ45 connector)
10.4"	HG3F-FT22TFW	Light Gray	Color TFT LCD Touchscreen
	HG3F-FT22TFB	Black*	Color TFT LCD Touchscreen
	HG3F-FT22TFW-DH485-500	Light Gray	Color TFT LCD Touchscreen with DF1/DH485 converter/cable package for SLC 500 (w/RJ45 connector)
5.7"*	HG2F-SS22VCF	Light Gray	Color STN LCD Touchscreen
	HG2F-SB22VCF	Light Gray	Monochrome STN LCD Touchscreen
	HG2F-SS22VCF-DH485-500	Light Gray	Color STN LCD Display with DF1 / DH485 converter/ cable package for SLC500 (w/RJ45 connector)
	HG2F-SB22VCF-DH485-500	Light Gray	Monochrome STN LCD Display with DF1 / DH485 converter / cable package for SLC500 (w/RJ45 connector)
5.7" with CC Click	HG2F-SS52VCF	Light Gray	Color STN LCD Touchscreen w/ CC Click Tactile Touchbutton Technology
	HG2F-SB52VCF	Light Gray	Monochrome STN LCD Touchscreen w/ CC Click Tactile Touchbutton Technology
4.6"	HG1F-SB22BF-W	Light Gray	Monochrome STN LCD Touchscreen, RS-232 comm.
	HG1F-SB22BF-B	Black	Monochrome STN LCD Touchscreen, RS-232 comm.
	HG1F-SB22YF-W	Light Gray	Monochrome STN LCD Touchscreen, RS-485/RS-422 comm.
	HG1F-SB22YF-B	Black	Monochrome STN LCD Touchscreen, RS-485/RS-422 comm.



*Black bezel models available upon request.

Accessories

Accessories

Accessory	Description	Part Number
Programming Tools	WindQ/I-NV2 Programming software for all IDEC Touchscreen Series	HG9Y-ZSS2W
	Cable connecting PC to Touchscreen via RS-232 Serial Port	HG9Z-XCM1A
Converters	USB to RS-232 Converter for PCs without Serial Ports	FC4A-USB
	AB SLC500 (w/RJ45 connector) DF1 / DH485 Communication Package for HG2F/3F/4F	HG9Z-GWDF1DH485-3
	AB SLC500 (w/RJ45 connector) DF1 / DH485 Communication Package for 4.6" HG1F	HG9Z-GWDF1DH485-4
Protective Sheet	For 12.1" HG4F (minimum order quantity is 2 pcs.)	HG9Z-4DAP
	For 10.4" HG3F (minimum order quantity is 2 pcs.)	HG9Z-3DAP
	For 5.7" HG2F (minimum order quantity is 5 pcs.)	HG9Z-2D2
	For 4.6" HG1F (minimum order quantity is 5 pcs.)	HG9Z-1D
Mounting Clips	For 10.4" HG3F & 12.1" HG4F (minimum order quantity is 10 pcs.)	HG9Z-4K1
	For 5.7" HG2F (minimum order quantity is 4 pcs.)	HG9Z-2K1
	For 4.6" HG1F (minimum order quantity is 10 pcs.)	SLD-K02
Replacement Backlight	For 12.1" HG4F	HG9Z-4FB
	For 10.4" HG3F	HG9Z-3FB2
	For 5.7" HG2F	HG9Z-2B1
	For 4.6" HG1F	HG9Z-1FB
OI Link Unit	For all OI touchscreens	HG9Z-2G1
32 Point Digital I/O	For 10.4" HG3F & 12.1" HG4F (16 Inputs & 16 Outputs)	HG9Z-3P102
	For 5.7" HG2F (16 Inputs & 16 Outputs)	HG9Z-2P101
Compact Flash Card	128MB CF Card for 5.7" HG2F, 10.4" HG3F, 12.1" HG4F	HG9Z-MF128
Replacement Battery	Lithium Battery for 4.6" HG1F	HG9Z-XR1

PLCs

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Sensors

Communication & Networking

Available Functions

Category	Item	HG2F		HG3F	HG4F	
		Touch Switch Type	CC Switch Type			
Communication	PLC link communication	✓	✓	✓	✓	
	DM link communication	✓	✓	✓	✓	
	O/I link communication	✓	✓	✓	✓	
	Ethernet	—	—	✓	✓	
	No host	✓	✓	✓	✓	
User Memory		2 MB	2 MB	8 MB*	8 MB*	
Interface	RS232C/RS485 (422)	✓	✓	✓	✓	
	Ethernet	—	—	✓	✓	
	CF card slot	✓	✓	✓	✓	
	Parallel	—	—	✓	✓	
Display Color	256 colors	✓	✓	✓	✓	
	Monochrome	✓	✓	—	—	
Brightness	(cd/m ²)	250	250	350	350	
Resolution	(pixels)	320 × 240	320 × 160**	640 × 480	800 × 600	
Touch Switch		16 × 12	16 × 8	32 × 24	40 × 30	
CC Switch		—	4 × 1 row (bottom)	—	—	
Expansion Unit	Digital I/O unit	✓	✓	✓	✓	
Features	System program download	✓	✓	✓	✓	
	Font download	✓	✓	✓	✓	
	Download via Ethernet	—	—	✓	✓	
	Download via O/I link	✓	✓	✓	✓	
	Project transfer via CF card	✓	✓	✓	✓	
	Printer output	✓	✓	✓	✓	
	Backlight replacement	✓	✓	✓	✓	
	Environment resistance	✓	✓	✓	✓	
Functions	Simulation	✓	✓	✓	✓	
	Pass through	✓	✓	✓	✓	
	Device monitor	✓	✓	✓	✓	
	Web server function	—	—	✓	✓	
	Overlapped screens	✓	✓	✓	✓	
	Sub-screen superimpose	✓	✓	✓	✓	
	Text group switching	✓	✓	✓	✓	
	Script	✓	✓	✓	✓	
	Part operating condition setting	✓	✓	✓	✓	
	Alarm log	✓	✓	✓	✓	
	Logging	✓	✓	✓	✓	
	Recipe	✓	✓	✓	✓	
	Password setting	✓	✓	✓	✓	
	Parts	Bit button	✓	✓	✓	✓
Word button		✓	✓	✓	✓	
Goto screen button		✓	✓	✓	✓	
Print button		✓	✓	✓	✓	
Key button		✓	✓	✓	✓	
Keypad		✓	✓	✓	✓	
Selector switch		✓	✓	✓	✓	
Potentiometer		✓	✓	✓	✓	
Numerical input		✓	✓	✓	✓	
Character input		✓	✓	✓	✓	
Pilot lamp		✓	✓	✓	✓	
Picture display		✓	✓	✓	✓	
Message display		✓	✓	✓	✓	
Message switching display		✓	✓	✓	✓	
Alarm list display		✓	✓	✓	✓	
Alarm log display		✓	✓	✓	✓	
Numerical display		✓	✓	✓	✓	
Bar graph		✓	✓	✓	✓	
Trend chart		✓	✓	✓	✓	
Pie chart		✓	✓	✓	✓	
Meter		✓	✓	✓	✓	
Calendar		✓	✓	✓	✓	
Bit write command		✓	✓	✓	✓	
Word write command		✓	✓	✓	✓	
Goto screen command		✓	✓	✓	✓	
Timer		✓	✓	✓	✓	
Print command		✓	✓	✓	✓	
Screen print command		✓	✓	✓	✓	
WindO/I-NV2 Functions		Debugging	✓	✓	✓	✓
		Log data upload tool	✓	✓	✓	✓
		Graphic library tool	✓	✓	✓	✓
	Screen import	✓	✓	✓	✓	
	Text browser	✓	✓	✓	✓	
	Device browser	✓	✓	✓	✓	
	Script browser	✓	✓	✓	✓	
	Picture browser	✓	✓	✓	✓	
	Basic/advanced mode	✓	✓	✓	✓	
	Preview	✓	✓	✓	✓	
	Windows font	✓	✓	✓	✓	
	Library function	✓	✓	✓	✓	
	Global replace	✓	✓	✓	✓	
Work space	✓	✓	✓	✓		

Available Functions

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Operator Interfaces



1. *2MB used for OS
2. **four tactile push regions (40 x 70 pixels)

Part Numbers

Part Numbers: IDEC SmartTouch

	Part Numbers	Bezel Color	Description
12.1"	HG4F-JT22TFW	Light Gray	Color TFT LCD Touchscreen
	HG4F-JT22TFB	Black*	Color TFT LCD Touchscreen
	HG4F-JT22TFW-DH485-500	Light Gray	Color TFT LCD Touchscreen with DF1 / DH485 converter/cable package for SLC 500 (w/RJ45 connector)
10.4"	HG3F-FT22TFW	Light Gray	Color TFT LCD Touchscreen
	HG3F-FT22TFB	Black*	Color TFT LCD Touchscreen
	HG3F-FT22TFW-DH485-500	Light Gray	Color TFT LCD Touchscreen with DF1/DH485 converter/cable package for SLC 500 (w/RJ45 connector)
5.7"	HG2F-SS22VCF	Light Gray	Color STN LCD Touchscreen
	HG2F-SB22VCF	Light Gray	Monochrome STN LCD Touchscreen
	HG2F-SS22VCF-DH485-500	Light Gray	Color STN LCD Display with DF1 / DH485 converter/ cable package for SLC500 (w/ RJ45 connector)
	HG2F-SB22VCF-DH485-500	Light Gray	Monochrome STN Color Display with DF1 / DH485 converter / cable package for SLC500 (w/RJ45 connector)
5.7" with CC Click	HG2F-SS52VCF	Light Gray	Color STN LCD Touchscreen w/ CC Click Tactile Touchbutton Technology
	HG2F-SB52VCF	Light Gray	Monochrome STN LCD Touchscreen w/ CC Click Tactile Touchbutton Technology



* Black Bezel Models available upon request. Please consult IDEC.

Accessories

Part Numbers: Accessories

Accessory	Description	Part Number
Programming Tools	WindO/I-NV2 Programming software for all IDEC Touchscreen Series	HG9Y-ZSS2W
	Cable connecting PC to Touchscreen via RS-232 Serial Port	HG9Z-XCM1A
Converters	USB to RS-232 Converter for PCs without Serial Ports	FC4A-USB
	AB SLC500 (w/RJ45 connector) DF1 / DH485 Communication Package	HG9Z-GWDF1DH485-2
Protective Sheet	For 12.1" HG4F (2 pcs. / pack)	HG9Z-4DAPN02
	For 10.4" HG3F (2 pcs. / pack)	HG9Z-3DAPN02
	For 5.7" HG2F (5 pcs. / pack)	HG9Z-2D2
Mounting Clips	For 10.4" HG3F & 12.1" HG4F (10 pcs. / pack)	HG9Z-4K1PN10
	For 5.7" HG2F (4 pcs. / pack)	HG9Z-2K1PN04
Replacement Backlight	For 12.1" HG4F	HG9Z-4FB
	For 10.4" HG3F	HG9Z-3FB
	For 5.7" HG2F	HG9Z-2B1
O/I Link Unit	For 12.1" HG4F / 10.4" HG3F / 5.7" HG2F	HG9Z-2G1
32 Point Digital I/O	For 10.4" HG3F & 12.1" HG4F (16 Inputs & 16 Outputs)	HG9Z-3P102
	For 5.7" HG2F (16 Inputs & 16 Outputs)	HG9Z-2P101
Compact Flash Card	32MB CF Card for 5.7" HG2F, 10.4" HG3F, 12.1" HG4F	HG9Z-MF32