

New Product News

The LCD Control Terminal, that is high resolution and 7.7-inches compact size. An indication function equal to the upper model is realised.

A new LCD control terminal from Sharp, the leading company in liquid crystal. The new product corresponding to the various needs in the field. The operation and drawing speed is much improved by the loading 32-bit RISC chip and the latest graphic accelerator. Wide variety of functions are available.

●At designing

- Screen editing software fully utilizing the operability of Windows.
- Easy drawing just by selecting the item from the **graphic parts library**.
- Parts once created for some use can be saved as **custom parts** for another use later.
- Easy layout by moving the switch by **one bit**.
- Importing the **DXF file** of CAD data.
- A screen image can be pasted into the other programs like Excel via clipboard.

●At debugging

- By using **simulator function**, only PC and LCD control terminal are needed in debugging.
- High-speed transfer of screen image (**115.2kbps**).
- Trial run time can be shortened by **ladder monitor function** (on condition that this LCD control terminal is used with Sharp's PLC).

●At operation

- Speedy response is realised by the high speed of communication (max. **115.2kbps**) and macro operation function.
- By 128-color display, the conventional lamp image is realised.
- The stop time at the error in equipment can be shortened by **ladder monitor function*** (on condition that this LCD control terminal is used with Sharp's PLC).

* Available soon

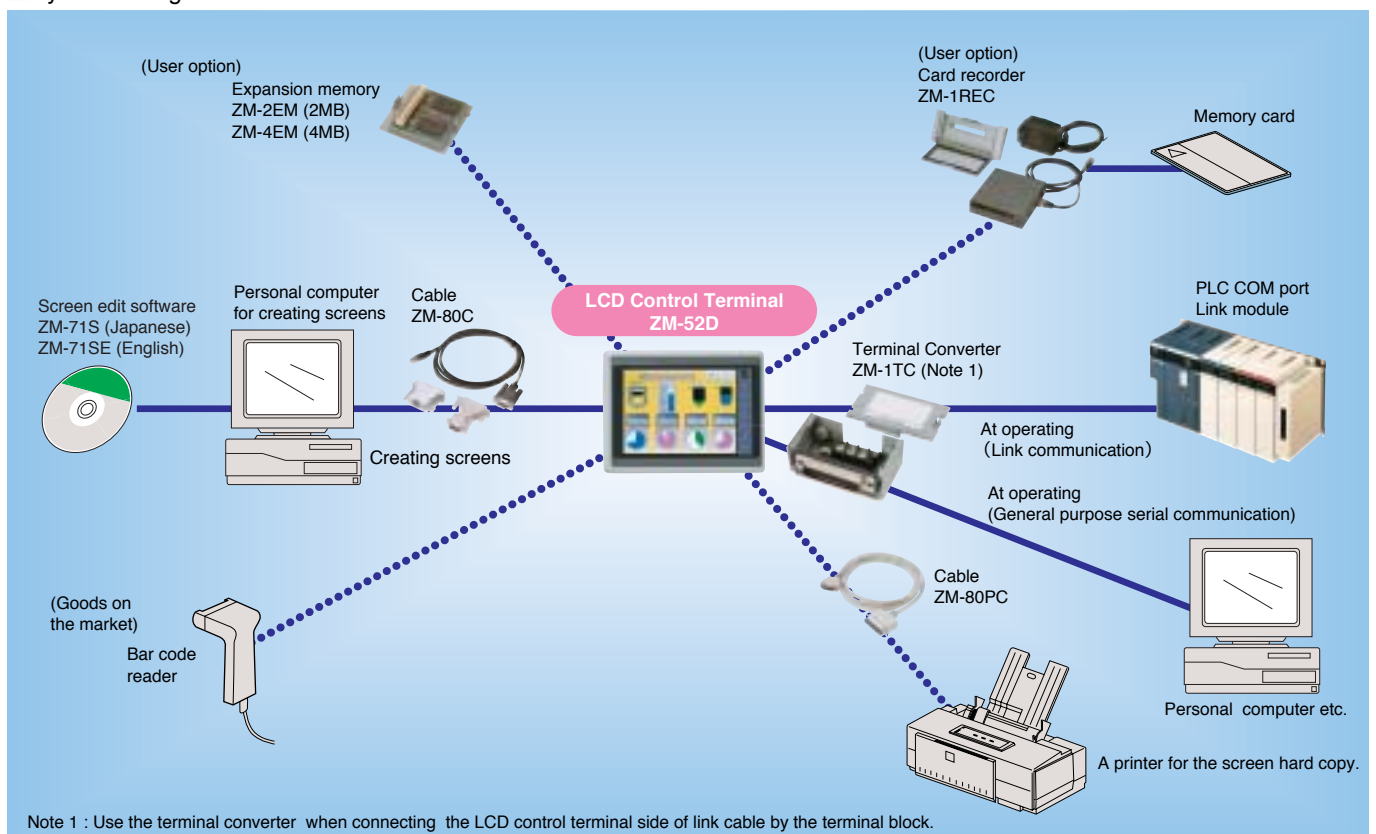


Model name	Display specification	Dot pitch	Bar code I/F	Printer I/F
ZM-52D	7.7 inches STN color	640×480	○	○

■Compared with Sharp conventional models

	ZM-41D	ZM-61E	ZM-52D
Display device	STN color LCD	EL display	STN color LCD
Display color	8 colors	yellow/black	128 colors
Dot pitch	320×240	600×400	640×480
Screen size(mm)	5.7 inches 115.2×86.4	8.9 inches 192×120	7.7 inches 160×121
External dimensions(mm)	210×158×78	288×203×95	230×175×66.1
Panel cut-out(mm)	199×147	277×192	220.5×165.5

■System configuration chart

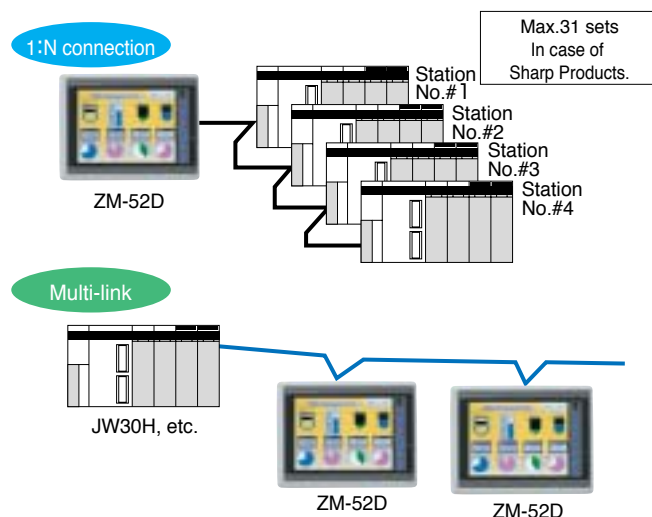


■The expressions of switches, parts are made flexible ■General specifications

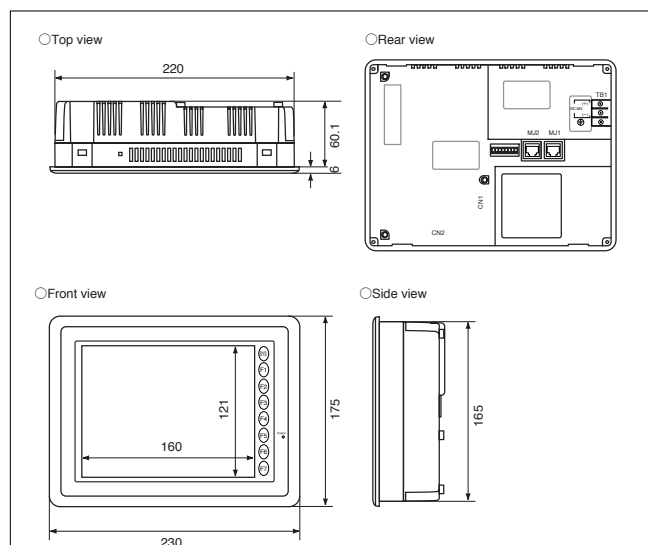
The arrangement of the switch can be adjusted in 1 dot unit by adopting the touch panel of the analog system, and it can work for the effective use of the screen.

■A connection with the PLC is made flexible

Conventionally, most of the connection between PLC and LCD control terminal were 1 : 1 connection. However, in ZM-52D, one PLC can be connected to more than one LCD Control Terminal, and one LCD control terminal can be connected to more than one PLC.



■External dimensions(unit:mm)



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- These specifications may be changed without prior notice. The color of the actual product may vary from the colors shown in the leaflet.
- Some items in this leaflet may be in short supply. Please ask our sales office about availability before placing order.



For safety use

- Make sure you read the instruction manual for each product thoroughly, before using it.
- Make sure to use all products with the appropriate power supply.

ZM-52D	
Operative ambient temperature	0°C to +50°C
Operative ambient humidity	35 to 85%RH(without dew condensation)
Power voltage	24 VDC
External dimensions	W230×H175×D66.1mm
Panel cut-out	W220.5 ^{+0.5} ×H165.5 ^{+0.5} mm

■Major function specifications

ZM-52D	
Indication pixel	STN color LCD
Dot pitch	640 (W) × 480 (H) dots pitch 0.25mm
Effective display area	160 (W) × 121 (H) mm
Display color	128 colors + blinking 16 colors
Back-light	Cold cathode rectifier (can be exchanged by user)
Back-light average life	Approx. 25,000 hours
Touch panel	Analog resistance film system (1024 (W) × 1024 (H) division)
Fixed keypad	SYS/F1/F2/F3/F4/F5/F6/F7
Number of characters	80 characters × 30 lines(half), 40 characters × 30 lines(full)
Kinds of display character	JIS class 1 and 2 Chinese characters, alphabetical and numeric, katakana, hiragana, sign, custom characters
Size of characters	Enlarge between 1 to 8 in vertical and horizontal direction, 64 times maximum. Quarter size display is available for alphabetical, numeric, and kana characters.
No. of registered screens	Max.1024 screens
Screen data memory	FLASH ROM 1MB, (user area : approx. 760kB) Available to connect the 2MB/4MB using expansion memory ZM-2EM/4EM (option) in each.
Interface for connecting PLC	RS232C,RS422/485, Max.115.2kbps (Dsub 25 pin female)
Interface for transferring screen data, connecting bar-code reader, connecting card recorder	RS232C,RS422/485, Max.115.2kbps (modular 8 pins, 2 ports)
Printer interface	1 port, Available to print out currently displayed screen

■Compatible PLC for connection

SHARP	JW10, JW20H/30H, JW50H/70H/100H, J-board
MITSUBISHI	A series, Q series, Fx series, CPU port
OMRON	C series, CV series,
FUJII	MICREX-F, FLEX-PC
HITACHI	HIDIC-S10/2α, HIDIC-H
YOKOGAWA	FA-M3, FA-500
YASUKAWA	MEMOBUS
Matsushita	MEWNET-FP
TOSHIBA	PROSEC-T
TOYOPUC	TOYOPUC-PC
Koyo	KOSTAC-SU, SG, SR-T
Shinko	SELMART
KEYENCE	KZ-300
ALLEN-BRADLEY	PLC5, SLC500
SIEMENS	S5/S7, TI545/555
GE Fanuc	Series 90
SAMSUNG	SPC
LG	MASTER-K
FANUC	Power Mate



Certified ISO-9001
JQA-1385

All specification described this sheets may be subject to change without notice.

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