



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# › em4

## Accessories

### Programmable touch panel MTP8/50

- › 4.3" TFT-LCD compact resistive touch panels, 65536 colors, LED backlight
- › Graphical resolution: 480 x 272 pixels
- › Wide viewing angle: 70° horizontally and vertically
- › Fan-less cooling system
- › Text, data, graphic, animation display
- › Processing of alarms and recipes
- › 400 M Hz core logic, 64 MB RAM
- › 128 MB flash memory storage
- › Communication with one or up to 31 em4 with Modbus RS485 Interface ref. 88980120
- › Programmable with user-friendly EB software (compatible with Windows XP/Seven)
- › RS232/RS485 serial port
- › Ethernet port (programming and communication)



Programmable touch panel MTP8/50

#### Specific characteristics

Designation	Size	Programming	Connection	Code
MTP8/50 user kit (MTP8/50, fixing brackets)	4"3	Ethernet RJ45 crossover cable	Modbus RS232/RS485 serial port, Ethernet TCP/IP port	88 970 494

#### Accessories

Description	Code
MTP8/50-MTP8/70 programming kit – Ethernet crossover connection (EB/helpfile CD, RJ45 crossover cable)	88 970 502
Modbus em4 cable MTP6/50 & MTP8/50 (need ref. 88 980 120 Modbus RS485 Interface)	88 980 171
Modbus cable DB9 MTP6/50 & MTP8/50 ↔ RJ45 length 2m to connect Modbus RS485 Millenium 3 device	88 970 503

#### General characteristics

##### Environmental characteristics

Certifications	UL, cUL
Conformity to standards	IEC 61000-4
Operating temperature	0 → +45 °C
Storage temperature	-20 → +60 °C
Relative humidity	10 → 90 % (operation)
Protection rating	IP65 - Dust and droplets Front panel seal watertight at standard
Vibration resistance	10 - 25 Hz, 2G 30 minutes in each of the X, Y, Z axes
Shock resistance	Free fall from 1 meter in each of the X, Y, Z axes

##### Electrical characteristics

Supply voltage	24 VDC Internal insulation via transformer
Voltage limits	19,2 → 28,8 VDC
Consumption	7,2 W max.

**Mechanical characteristics**

Dimensions (l x h x w)	128 x 102 x 38 mm Useful screen area: 95 x 54 mm
Panel cut-out	119 x 93 mm Panel thickness 1-10 mm
Mounting	Built-in, fixing by 2 screw clamps (supplied) for 1 to 10 mm panel
Connection	Removable 3-pin screw terminal block (supplied)
Weight	AC 300 g

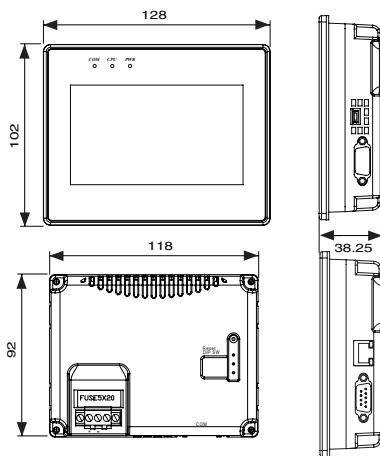
**Display characteristics**

Description	TFT-LCD 4.3" polychrome, 65536 colors LED backlight Resolution 480 x 272 pixels 400 MHz core logic, 64 MB RAM 128 MB flash memory (programs and recipes backup) Programmable with EB software Touch panel with user-definable layout Key life: 1 million operations minimum
Display details	Straight lines, free lines, squares, ovals, arcs, polygons, bitmaps, animations.gif, standard fonts
Functions	Buttons, switches, levers, LEDs, messages, data, password-secured buttons, triggers Bar charts, linear gauges, clocks, alphanumeric keyboards, graphics, recipes, alarm lists Text scrolling, multiple windows, data transfer, multiple language, archive
Connection	Programming: PC-MTP8/50 link via Ethernet RJ45 crossover cable (accessory) Communication: em4-MTP8/50 link using a Modbus network via the communication cable (supplied)
Real-time clock	Uses em4 clock or built-in clock

**Diagrams**

**Dimensions (mm)**

MTP8/50



Panel cut-out

