

*** SPARE PART*** SIMATIC MULTIPANEL MP370 15" COLOR TFT DISPLAY, TOUCH WINDOWS CE 3.0 CONFIGURABLE W. PROTOOL VERSION V6.0+SP2 AND HIGHER

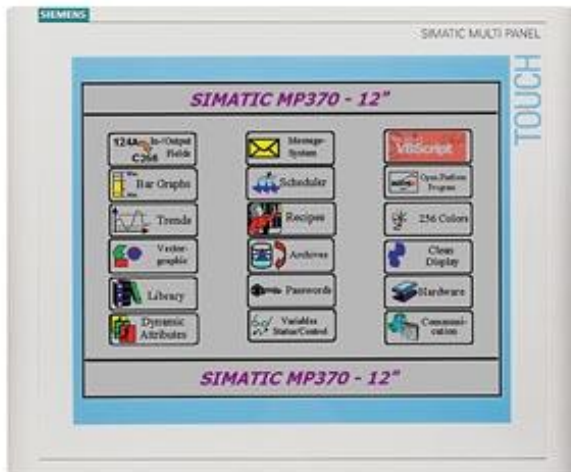


Figure similar

| General information | |
|---------------------------------|-----------------|
| Customer-specific configuration | No |
| Display | |
| Design of display | TFT, 256 colors |
| Screen diagonal | 15.1 in |
| Color type | Colors |
| Resolution (pixels) | |
| • Resolution (WxH in pixel) | 1024 x 768 |
| • Horizontal image resolution | 1 024 Pixel |
| • Vertical image resolution | 768 Pixel |
| Backlighting | |
| • MTBF backlighting (at 25 °C) | 50 000 h |
| Control elements | |
| Control elements | Touch screen |
| Keyboard fonts | |
| • Membrane keyboard | No |

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|---|------------------------|
| — user-definable label membrane keys | No |
| • Numeric/alphabetical input | Yes / Yes |
| — hexadecimal keyboard | Yes |
| • Multi-key operation | No |
| — Number of multi-key operations | 0 |
| Touch operation | |
| • Design as touch screen | Yes; analog, resistive |
| Connection type | |
| • Connection for mouse/keyboard/barcode reader | USB / USB / USB |
| Special operator controls | |
| • Illuminated pushbutton | Yes |
| Installation type/mounting | |
| Mounting position | vertical |
| maximum permissible angle of inclination without external ventilation | 35° |
| Supply voltage | |
| Type of supply voltage | DC |
| UPS connectable (serial) | Yes |
| Input current | |
| Current consumption (rated value) | 1.8 A |
| Starting current inrush I ² t | 0.5 A ² ·s |
| Power | |
| Power consumption, typ. | 41 W |
| Processor | |
| Processor type | MIPS |
| Drives | |
| Diskette drive | No |
| CD-ROM | No |
| Hard disk | No |
| Memory | |
| Type of memory | Flash / RAM |
| Memory available for user data | 7 168 kbyte |
| Battery | |
| Backup battery | |
| • Backup battery | optional 3.6 V |
| • Backup time, min. | 3 y |
| Type of output | |
| Info LED | No |

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|---|---|
| Power LED | No |
| Error LED | No |
| Time of day | |
| Clock | |
| <ul style="list-style-type: none"> • Type | Hardware clock, battery backup, synchronizable |
| <ul style="list-style-type: none"> • retentive | Yes |
| <ul style="list-style-type: none"> • synchronizable | Yes |
| Interfaces | |
| Interfaces/bus type | 1 x TTY, 2 x RS232, 1 x RS422, 1 x RS485, 1 x Ethernet (RJ45) (max. 12 Mbit/s) |
| Number of RS 485 interfaces | 1 |
| <ul style="list-style-type: none"> • Transmission rate, max. | 12 Mbit/s |
| USB port | 1 x USB |
| PC card slot | 1 x PC card slot |
| CF card slot | 1 x CF card slot |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> • Industrial Ethernet interface | 1 x Ethernet (RJ45) |
| Degree and class of protection | |
| Front | IP65 |
| IP (at the front) | IP65 |
| IP (rear) | IP20 |
| Standards, approvals, certificates | |
| Certifications | CE, FM Class I Div. 2, cULus, EX Zone 2/22, C-TICK |
| Ambient conditions | |
| Ambient temperature during operation | |
| <ul style="list-style-type: none"> • min. | 0 °C |
| <ul style="list-style-type: none"> • max. | 50 °C |
| Ambient temperature during storage/transportation | |
| <ul style="list-style-type: none"> • min. | -20 °C |
| <ul style="list-style-type: none"> • max. | 60 °C |
| Relative humidity | |
| <ul style="list-style-type: none"> • Operation, max. | 85 % |
| Operating systems | |
| Operating system | Windows CE |
| Configuration | |
| Configuration software | |
| <ul style="list-style-type: none"> • Configuration tool | ProTool Version 6 SP 2 or higher, or WinCC flexible Standard Version 2004 or higher (to be ordered separately) |
| <ul style="list-style-type: none"> • 1. Configuration kit | ProTool |
| <ul style="list-style-type: none"> — Version | Version 6 SP 2 |

- Configuration tool
- 2. Configuration kit
 - Version
 - Configuration tool
 - Type

ProTool
 WinCC flexible Standard
 Version 2004
 WinCC flexible
 Standard

Languages

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| Online languages | |
| • Number of online/runtime languages | 5 |
| Project languages | |
| • Languages per project | 32 |

Functionality under WinCC (TIA Portal)

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| Libraries | Yes |
| Number of Visual Basic Scripts | |
| • Debugging in the simulator | No |
| Task planner | Yes |
| Help system | Yes |
| • Number of characters per info text | 70 |
| • Number of tooltips | 0 |
| Message system | |
| • Number of alarm classes | 32 |
| • Number of messages | 4 000 |
| • Bit messages | Yes |
| — Number of bit messages | 4 000 |
| • Analog messages | Yes |
| — Number of analog messages | 4 000 |
| • Telegram message procedure Alarm S | Yes |
| • System messages HMI | Yes |
| • System messages PLC | Yes |
| • System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) | Yes |
| • Lines | 1 |
| • Number of characters per message | 80 |
| • Number of process values per message | 8 |
| • Acknowledgment groups | Yes |
| • Message indicator | Yes |
| • acoustic feedback | No |
| • First/last value | Yes |
| Recipe management | |
| • Number of recipes | 500 |
| • Data records per recipe | 1 000 |
| • Entries per data record | 1 000 |

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| • Recipe memory | 128 KB integrated Flash, expandable |
| Variables | |
| • Number of variables per device | 2 048 |
| • Number of variables per screen | 400 |
| • Number of variables | 2 000 |
| • Initial values | 2 048 |
| • Type Date & Time | 2 048 |
| • Limit values | Yes |
| • Multiplexing | Yes |
| • Structures | Yes |
| Images | |
| • Number of configurable images | 500 |
| • Permanent window/default | Yes |
| • Start screen configurable | Yes |
| • Image selection by PLC | Yes |
| • Image number in the PLC | Yes |
| Image objects | |
| • Text objects | 30000 text elements |
| • Number of I/O fields per image | 400 |
| • Number of date/time fields | 400 |
| • Index of screen context | No |
| • Return | Yes |
| • Graphics object | Bit maps, icons, vector graphics |
| — Icons | 2 000 |
| — Icon (full screen) | 0 |
| Complex image objects | |
| • Status/control | With SIMATIC S7 |
| • dynamic objects | Diagrams, bar graphs, sliders, analog display, invisible buttons |
| — Number of objects per project | 2 000 |
| — Number of curve diagrams per image | 20 |
| • Methods | Trend / profile |
| • Bar graphs | |
| — Number of bars per chart | 20 |
| • Sliders | |
| — Number of slides per image | 20 |
| • Pointer instruments | |
| — Number of analog indicators per image | 20 |
| • Limit value lines | Yes |
| • Number of alphanumerical fields | 300 |
| — alphanumeric fields per image | 400 |
| • Number of numerical fields | 2 048 |

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| — numerical fields per image | 400 |
| • Number of password fields | 2 048 |
| • Number of visible switches per project | 400 |
| — visible switches per image | 400 |
| — hidden switches per image | 400 |
| • Number of status switches per project | 400 |
| — Number of status switches per image | 400 |
| • Number of selector switches per project | 400 |
| — Selector switches per image | 400 |
| • Number of decade switches per project | 400 |
| — Decade switches per image | 400 |
| • Number of signal lamps per project | 400 |
| — Signal lamps per image | 400 |
| Attributes for dynamic objects | |
| • Color change | Yes |
| • X/Y movement | Yes |
| • Hide | Yes |
| • Angle of rotation | No |
| Lists | |
| • Number of text lists per project | 500 |
| • Number of text lists per image | 400 |
| • Number of entries per text list | 256 |
| • Number of graphics lists per project | 500 |
| • Number of graphic lists per image | 400 |
| • Number of entries per graphics list | 256 |
| Archiving | |
| • Number of archives per device | 50 |
| • Number of measuring points per project | 50 |
| • Number of entries per archive | 50 000 |
| • Message archive | Yes |
| • Process value archive | Yes |
| • Archiving methods | Sequence archive, circular log, alarm log, process value archive |
| — Sequential archive | Yes |
| — Short-term archive | Yes |
| • Memory location | PC card, CF card, Ethernet |
| — PC card | Yes |
| — CF card | Yes |
| — USB memory | No |
| — Ethernet | Yes |
| • Data storage format | CSV file, readable, e.g. with MS Excel, MS Access |
| — CSV | Yes |

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| <ul style="list-style-type: none"> — TXT • external evaluation • Size of archive • Online evaluation <ul style="list-style-type: none"> — using trend curves | <p>No</p> <p>Readable, e.g. with MS Excel, MS Access, etc.</p> <p>depending on free memory on ext. card/stick or on free hard disk space via network drive</p> <p>via trends</p> <p>Yes</p> |
| Filters | |
| <ul style="list-style-type: none"> • cyclic • Tolerance • Change | <p>Yes</p> <p>Yes</p> <p>Yes</p> |
| Security | |
| <ul style="list-style-type: none"> • Number of user groups • Number of user rights • Password export/import | <p>50</p> <p>32</p> <p>Yes</p> |
| Data carrier support | |
| <ul style="list-style-type: none"> • PC card • CF card • Diskette drive • Hard disk • CD-ROM | <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> |
| Logging through printer | |
| <ul style="list-style-type: none"> • Recording/Printing | Alarms, report (shift report), color print, hardcopy |
| Transfer (upload/download) | |
| <ul style="list-style-type: none"> • Transfer of configuration | MPI/PROFIBUS DP, serial, USB, Ethernet, by means of external storage medium, automatic transfer recognition |
| Process coupling | |
| <ul style="list-style-type: none"> • Connection to controller • S7-200 <ul style="list-style-type: none"> — PPI (point-to-point) — PPI network — MPI — PROFIBUS DP • S7-300/400 <ul style="list-style-type: none"> — MPI — PROFIBUS DP — PROFINET • S5 <ul style="list-style-type: none"> — serial — PROFIBUS DP | <p>S5, S7-200, S7- 300/400, TI 505, Win AC, PC (TCP/IP), SINUMERIK, SIMOTION, Allen Bradley (DF1), Allen Bradley (DF485), Mitsubishi (FX), Telemecanique (ADJUST), OMRON (LINK/Multilink), Modicon (Modbus), for further non-Siemens drivers, see section on "System interfaces"</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> |

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|--|-------------------------|
| • TI 505 | Yes |
| • Allen Bradley (DF1) | Yes |
| • Allen Bradley (DF485) | Yes |
| • Mitsubishi (FX) | Yes |
| • Mitsubishi (MP4) | Yes |
| • Telemecanique (ADJUST) | Yes |
| • Telemecanique (Uni-Telway) | Yes |
| • OMRON (LINK/Multilink) | Yes |
| • Modicon (Modbus) | Yes |
| • GE-Fanuc (SNP) | Yes |
| Functions | |
| • Key repeat | No |
| • TAB sequence | Yes |
| • Calculating functions | Yes |
| • Animate | Yes |
| • Menu tree editor | No |
| • Unit switchover | No |
| Service tools/configuration aids | |
| • Clean screen | Yes |
| • Touch calibration | Yes |
| • Backup/Restore manually | Yes |
| • Simulation | Yes |
| • Device switchover | Yes |
| • Delta transfer | Yes |
| • Monitoring function for battery and memory | Yes |
| • Trace (operation archive) | No |
| Expandability/openness | |
| • Open Platform Program | Yes |
| Peripherals/Options | |
| Peripherals | Printer, barcode reader |
| • SIMATIC HMI MM memory card: Multi Media Card | No |
| • SIMATIC HMI SD memory card: Secure Digital memory card | No |
| • USB memory | No |
| Dimensions | |
| Width of the housing front | 400 mm |
| Height of housing front | 310 mm |
| Weights | |
| Weight (without packaging) | 5.7 kg |

Other

free hotline Yes

Warranty period 1 y

last modified: 09/17/2016