



Panel PC, ir, 24 V DC, 8.4z, TFTcolor, 2x Ethernet, 2xRS232, 4xUSB, 1xPCI, 1GHz



Powering Business Worldwide™

Part no. **XP-702-C0-84TSI-10**
Article no. **140024**

Delivery program

| | | | |
|---|--|-------|--|
| Product range | | | Visualisation solutions XP |
| Product range | | | XP-702 |
| Function | | | Industrial PC |
| Display - Type | | | Color display, TFT |
| Touch-technology | | | Infra-red touch |
| Number of colours | | | 64 k Colours |
| Resolution | | Pixel | 800 x 600 |
| Portrait format | | | no |
| Screen diagonal | | Inch | 8.4 |
| Model | | | Metal enclosure and front plate |
| Operating system | | | Windows XP or Windows XP Embedded |
| PLC-licence | | | no PLC function possible |
| License certificates for onboard interfaces | | | Not required |
| built-in interfaces | | | 2 x Ethernet 100Base-TX/10Base-T 4 x USB host 1 x Video 1 x DVI |
| Front type | | | Standard front with standard membrane Laminated safety glass, non-reflective |
| Utilization | | | Flush mounting |
| Slots | | | For PCI module: 1 for optional hard disc: 1 For optional CompactFlash cards: 2 |
| Pluggable communication cards (optional) | | | no |
| Heat dissipation | | W | 48.5 |

Technical data

Display

| | | | |
|---------------------|--|-------|--------------------|
| Display - Type | | | Color display, TFT |
| Screen diagonal | | Inch | 8.4 |
| Resolution | | Pixel | 800 x 600 |
| Visible screen area | | mm | 170 x 128 |
| Number of colours | | | 64 k Colours |

System

| | | | |
|------------------|--|--|-----------------------------------|
| Operating system | | | Windows XP or Windows XP Embedded |
|------------------|--|--|-----------------------------------|

Interfaces, communication

| | | | |
|-------------------------|--|--|--|
| built-in interfaces | | | 2 x Ethernet 100Base-TX/10Base-T 4 x USB host 1 x Video 1 x DVI |
| PLC-licence | | | no PLC function possible |
| Communication interface | | | PCI |
| Slots | | | For PCI module: 1 for optional hard disc: 1 For optional CompactFlash cards: 2 |

Power supply

| | | | |
|--------------------------|--|---|---|
| Heat dissipation | | W | 48.5 |
| Note on heat dissipation | | | Heat dissipation with power consumption for 24 V 33 W for basic device + 7 W for PCI expansion card + two times 3 W for USB modules + 2.5 W for hard drive |

General

| | | | |
|------------------|--|--|---|
| Housing material | | | Metal, anodized |
| Front type | | | Standard front with standard membrane Laminated safety glass, non-reflective |
| Approvals | | | |

| | | | |
|------------------------------------|--|----|-------------|
| Approvals | | | cUL (UL508) |
| Environmental conditions | | | |
| Temperature | | | |
| Operating ambient temperature min. | | °C | 0 |
| Operating ambient temperature max. | | °C | + 50 |

Design verification as per IEC/EN 61439

| | | | |
|--|------------|----|--|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | I_n | A | 0 |
| Heat dissipation per pole, current-dependent | P_{vid} | W | 0 |
| Equipment heat dissipation, current-dependent | P_{vid} | W | 0 |
| Static heat dissipation, non-current-dependent | P_{vs} | W | 48.5 |
| Heat dissipation capacity | P_{diss} | W | 0 |
| Operating ambient temperature min. | | °C | 0 |
| Operating ambient temperature max. | | °C | 50 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 10.2.2 Corrosion resistance | | | |
| | | | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures | | | |
| | | | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | | | |
| | | | Meets the product standard's requirements. |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects | | | |
| | | | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | | |
| | | | Please enquire |
| 10.2.5 Lifting | | | |
| | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | | | |
| | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | | | |
| | | | Meets the product standard's requirements. |
| 10.3 Degree of protection of ASSEMBLIES | | | |
| | | | Meets the product standard's requirements. |
| 10.4 Clearances and creepage distances | | | |
| | | | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | | | |
| | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | | | |
| | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | | | |
| | | | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | | | |
| | | | Is the panel builder's responsibility. |
| 10.9 Insulation properties | | | |
| 10.9.2 Power-frequency electric strength | | | |
| | | | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | | | |
| | | | Is the panel builder's responsibility. |
| 10.9.4 Testing of enclosures made of insulating material | | | |
| | | | Is the panel builder's responsibility. |
| 10.10 Temperature rise | | | |
| | | | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating | | | |
| | | | Is the panel builder's responsibility. |
| 10.12 Electromagnetic compatibility | | | |
| | | | Is the panel builder's responsibility. |
| 10.13 Mechanical function | | | |
| | | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 6.0

| | | | |
|--|--|---|-------------|
| PLC's (EG000024) / Panel PC (EC001414) | | | |
| Electric engineering, automation, process control engineering / Control / Operate and Observe (HMI) / Panel PC (ecI@ss8.1-27-24-23-01 [BAA721010]) | | | |
| Supply voltage AC 50 Hz | | V | 0 - 0 |
| Supply voltage AC 60 Hz | | V | 0 - 0 |
| Supply voltage DC | | V | 20.4 - 28.8 |
| Voltage type of supply voltage | | | DC |
| Number of HW-interfaces industrial Ethernet | | | 2 |
| Number of HW-interfaces PROFINET | | | 0 |
| Number of HW-interfaces RS-232 | | | 2 |
| Number of HW-interfaces RS-422 | | | 0 |
| Number of HW-interfaces RS-485 | | | 0 |
| Number of HW-interfaces serial TTY | | | 0 |

| | | | |
|---|--|-------|---------------------|
| Number of HW-interfaces USB | | | 4 |
| Number of HW-interfaces parallel | | | 0 |
| Number of HW-interfaces Wireless | | | 0 |
| Number of HW-interfaces other | | | 1 |
| Number of HW-interfaces SCSI | | | 0 |
| Number of HW-interfaces PS2 | | | 0 |
| Supporting protocol for PROFIBUS | | | Yes |
| Supporting protocol for CAN | | | Yes |
| Supporting protocol for INTERBUS | | | No |
| Supporting protocol for ASI | | | No |
| Supporting protocol for KNX | | | Yes |
| Supporting protocol for MODBUS | | | Yes |
| Supporting protocol for Data-Highway | | | Yes |
| Supporting protocol for DeviceNet | | | Yes |
| Supporting protocol for SUCONET | | | No |
| Supporting protocol for LON | | | No |
| Supporting protocol for PROFINET IO | | | No |
| Supporting protocol for PROFINET CBA | | | No |
| Supporting protocol for SERCOS | | | No |
| Supporting protocol for Foundation Fieldbus | | | No |
| Supporting protocol for EtherNet/IP | | | Yes |
| Supporting protocol for AS-Interface Safety at Work | | | No |
| Supporting protocol for DeviceNet Safety | | | No |
| Supporting protocol for INTERBUS-Safety | | | No |
| Supporting protocol for PROFIsafe | | | No |
| Supporting protocol for SafetyBUS p | | | No |
| Supporting protocol for other bus systems | | | Yes |
| Radio standard Bluetooth | | | No |
| Radio standard WLAN 802.11 | | | No |
| Radio standard GPRS | | | No |
| Radio standard GSM | | | No |
| Radio standard UMTS | | | No |
| IO link master | | | No |
| Type of display | | | TFT |
| Screen diagonal | | inch | 8.4 |
| Number of pixels, horizontal | | | 800 |
| Number of pixels, vertical | | | 600 |
| Preinstalled operating system | | | Embedded Windows XP |
| Max. main memory | | Mbyte | 1024 |
| Integrated keyboard | | | No |
| Number of function buttons | | | 0 |
| Number of buttons with LED | | | 0 |
| Number of system buttons | | | 0 |
| With touch screen | | | Yes |
| Mouse-cursor control integrated | | | No |
| Degree of protection (IP), front side | | | IP65 |
| Operation temperature | | °C | 0 - 50 |
| With hard disc | | | No |
| With CD-ROM drive | | | No |
| DVD-drive available | | | No |
| With CD-RW drive | | | No |
| DVD RW drive available | | | No |
| With floppy disc drive | | | No |
| With other storage media | | | Yes |
| Customer individual configuration | | | Yes |

| | | | |
|---------------------------------|--|----|-----|
| Number of free AGP-slots | | | 0 |
| Number of free PCI-slots | | | 1 |
| Number of free ISA-slots | | | 0 |
| Number of free PCMCIA-slots | | | 0 |
| Rail mounting possible | | | No |
| Wall mounting/direct mounting | | | No |
| Front build in possible | | | Yes |
| Rack-assembly possible | | | No |
| Mounting type, table foot | | | No |
| Mounting type, gallows mounting | | | Yes |
| Suitable for safety functions | | | No |
| Width of the front | | mm | 275 |
| Height of the front | | mm | 208 |
| Built-in depth | | mm | 102 |

Approvals

| | | | |
|--------------------------------------|--|--|------------------------------|
| Product Standards | | | IEC/EN 61131-2; CE marking |
| North America Certification | | | Request filed for UL and CSA |
| Specially designed for North America | | | No |
| Current Limiting Circuit-Breaker | | | No |
| Degree of Protection | | | IEC: IP65, UL/CSA Type: - |

Additional product information (links)

| | |
|--|---|
| IL04802003Z XP-702 Enclosed Kit Information | |
| IL04802003Z XP-702 Enclosed Kit Information | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04802003Z2013_01.pdf |
| MN04802003Z-EN Operator manual XP-702 | |
| MN04802003Z-DE Betriebsanleitung XP-702 - Deutsch | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802003Z_DE.pdf |
| MN04802003Z-EN Operator manual XP-702 - English | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802003Z_EN.pdf |