



Product data sheet
6AV6647-0AB11-3AX0

SIMATIC KTP600 BASIC MONO PN 5,7" MONO STN DISPLAY, ETHERNET INTERFACE CONFIGURATION FROM WINCC FLEXIBLE 2008 COMPACT SP1 OR WINCC BASIC V10.5 INCLUDED IN STEP7 BASIC V10.5, CONTAINS OPEN SOURCE SW WHICH IS PROVIDED FREE OF CHARGE FOR DETAILS SEE CD

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| Supply voltage | |
| Supply voltage | 24 V DC |
| permissible range | +19.2 V to +28.8 V DC |
| Type of voltage | DC |
| Making current A ² s | 0.5 A |
| Rated current | 0.24 A |
| Power | 6 W |
| Memory | |
| Type | Flash / RAM |
| Memory usable for project data/Options | 512 KB usable memory for user data |
| Time | |
| Clock | |
| Type | Softwareuhr, ungepuffert |
| Protocols | |
| TCP/IP | Yes |
| PROFINET | Yes |
| PROFIBUS | No |
| MPI | No |
| MODBUS | No |
| other bus systems | No |
| Protocols (terminal link) | |
| Sm@rtAccess | No |
| Configuration | |
| Configuration tool | WinCC flexible Compact Version 2008 SP1 or higher (to be ordered separately) |
| 2nd configuration package | WinCC flexible Compact |
| Version | Version 2008 SP1 |
| Configuring tool | WinCC flexible |

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| Type | Compact |
| Display | |
| Display type | STN, gray scales |
| Design of the display | STN |
| Size | 5.7" (115.2 mm x 86.4 mm) |
| Screen diagonal | 5.7 in |
| Resolution (WxH in pixel) | 320 x 240 |
| Width | 320 |
| Height | 240 |
| Number of grayscales | 4 |
| Color type | Gray scales |
| MTBF backlighting (at 25 °C) | about 50,000 hours |
| Operating mode | |
| Operating elements | Membrane keyboard |
| Operating options | Keys and Touch |
| Function keys, programmable | 6 function keys |
| Connection for mouse/keyboard/barcode reader | - / - / - |
| external mouse | - |
| external keyboard | - |
| Touchscreen | analog, resistive |
| Number of function keys with L:EDs | 0 |
| Numeric/alphabetical input | Yes (on-screen keyboard) / Yes (on-screen keyboard) |
| hexadecimal keyboard | Yes ; Onscreen keyboard |
| Multi-key operation | No |
| Touchscreen (analog/resistive) | Yes |
| Connection for barcode reader | - |
| Ambient conditions | |
| Mounting position | vertical |
| maximum permissible angle of inclination without external ventilation | +/- 35 ° |
| max. relative humidity (in %) | 90 % |
| Temperature | |
| Operation (vertical installation) | 0 °C to +50 °C |
| Operation (max. tilt angle) | 0 °C to +40 °C |
| Transport, storage | -20 °C to +60 °C |

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| Degree of protection | |
| Front | IP65, NEMA 4, NEMA 4x, NEMA 12 (when installed) |
| IP (at front) | IP65 |
| NEMA | NEMA 4, NEMA 4x, NEMA 12 |
| Rear | IP20 |
| IP (rear) | IP20 |
| Certifications & Standards | |
| Certifications | CE, UL, cULus, NEMA 4, NEMA 4x, NEMA 12 |
| I/O/Options | |
| I/O devices | None |
| Type of output | |
| Info LED | No |
| Power LED | No |
| Error LED | No |
| LED colors | None |
| Acoustics | Sound signal |
| interfaces | |
| Interfaces | 1 x Ethernet (RJ45) |
| Number of interfacesn/parallel | 0 |
| Number of interfaces/according to RS 485 | 0 |
| PC card slot | No |
| CF card slot | No |
| Multi Media Card slot | No |
| USB | No |
| Ethernet | 1 x Ethernet (RJ45) |
| Ethernet status LED | 2 |
| Special interfaces | No |
| Product function | |
| Message indicator | Yes |
| Message system | Yes |
| Process value display (output) | Yes |
| Process value default (input) | Yes |
| Recipe adminsitration | Yes |
| customer-specific configuration | Yes |
| Additional software components loadable | No |

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| other | |
| free hHotline | Yes |
| Warranty period | 1 a |
| Processor | |
| Processor | RISC 32 bit, 75 MHz |
| Processor type | RISC 32-bit |
| other | No |
| Functionality under WinCC flexible | |
| Applications/options | None |
| Number of Visual Basic scripts | Not possible |
| Debugging in the simulator | No |
| Task planner | Yes |
| Help system | Yes |
| Number of info. texts | 320 |
| Status/control | Not possible |
| Message system | |
| Number of messages | 200 |
| Bit messages | Yes |
| Analog messages | Yes |
| Number of bit messages | 200 |
| Number of analog messages | 15 |
| Number of alarm classes | 32 |
| Telegram message procedure Alarm S | No |
| System messages HMI | Yes |
| System messages PLC | No |
| System messages, other (Sinumerik, Simotion,...) | No |
| Message length (in characters) | 80 |
| Lines | 1 |
| Number of process values per message | 8 |
| Acknowledgment groups | Yes |
| Message indicator | Yes |
| Acoustic feedback | Yes |
| First/last value | Yes |
| Message buffer | Ring buffer (n x 256 entries), non-retentive |
| Recipes | |

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| Recipes | 5 |
| Data records per recipe | 20 |
| Entries per data record | 20 |
| Recipe memory | 40 KB integrated Flash |
| Number of process images | |
| Process images | 50 |
| Variables | 128 |
| Limit values | Yes |
| Multiplexing | Yes |
| Structs | No |
| Image elements | |
| Text objects | 500 text elements |
| Fields per image | 30 |
| Variables per image | 30 |
| Permanent window/default | Yes ; No permanent window can be configured |
| Image selection via PLC | Yes |
| Index of images | No |
| Start image configurable | Yes |
| Image number in the PLC | Yes |
| Return | N |
| Graphics object | Bit maps, icons, icon (full-screen), vector graphics |
| Icons | 1 |
| Icon (full screen) | 1 |
| dynamic objects | Diagrams |
| Number of curves per diagram | 4 |
| Methods | Trend |
| Number of bars per chart | 5 |
| Direction | vertical / horizontal |
| Limit value lines | Yes |
| Attributes for dynamic objects | |
| Color change | Yes |
| Movement X/Y | Yes |
| Hide | Yes |
| Angle of turn | No |
| Lists | |

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| Text lists | 150 |
| Graphics list | 100 |
| Libraries | Yes |
| Security | |
| Number of user groups | 50 |
| Passwords exportable | No |
| Number of user rights | 32 |
| Data medium support | |
| PC card | No |
| CF card | No |
| Multi Media Card | No |
| SD card | No |
| USB Memory Drive | No |
| Diskette drive | No |
| Hard disk | No |
| CD-ROM | No |
| Recording | |
| Recording/Printing | PROFINET |
| Fonts | |
| Keyboard fonts | US American (English) |
| Languages | |
| Online languages | 5 |
| Languages per project | 32 |
| Configuration languages | D, GB, F, I, E, CHN "traditional", CHN "simplified", DK, FIN, GR, J, KP / ROK, NL, N, PL, P, RUS, S, CZ / SK, TR, H |
| Fonts | Tahoma, WinCC flexible Standard, symbol languages |
| Transfer (Upload/Download) | |
| Transfer of configuration | Ethernet, automatic transfer recognition |
| Process coupling | |
| Connection to controller | S7-200, S7-300/400, see chapter "System interfaces" |
| S5 | No |
| serial | No |
| PROFIBUS DP | No |
| S7-200 | Yes ; Via CP |
| PPI (point-to-point) | No |

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| PPI network | No |
| MPI | No |
| PROFIBUS DP | No |
| Ethernet | Yes |
| S7- 300/400 | Yes |
| MPI | No |
| PROFIBUS DP | No |
| PROFINET | Yes |
| TI 505 | No |
| Point-to-point | No |
| Network | No |
| Allen Bradley (DF1) | No |
| Point-to-point | No |
| Network | No |
| Allen Bradley (DF485) | No |
| Point-to-point | No |
| Network | No |
| Mitsubishi (FX) | No |
| Point-to-point | No |
| Network | No |
| Mitsubishi (MP4) | No |
| Point-to-point | No |
| Network | No |
| Telemecanique (ADJUST) | No |
| Point-to-point | No |
| Network | No |
| Telemecanique (Uni-Telway) | No |
| Point-to-point | No |
| Network | No |
| OMRON (LINK/Multilink) | No |
| Point-to-point | No |
| Network | No |
| Modicon (Modbus) | No |
| Point-to-point | No |
| Network | No |

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| GE-Fanuc (SNP) | No |
| Point-to-point | No |
| Network | No |
| 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 | Yes |
| Simulation | Yes |
| Device switchover | Yes |
| Delta transfer | No |
| Monitoring function for battery and memory | No |
| Trace (operation archive) | No |
| Expandability/openness | |
| Open Platform Program | No |
| Mechanics | |
| Type of housing (front) | Plastic |
| Mounting technology | Clamp terminals |
| Dimensions | |
| Front of enclosure (W x H) | 214 mm x 158 mm |
| Mounting cutout/Device depth (W x H/D) in mm | 197 mm x 141 mm/44 mm device depth |
| Dimensions and weight | |
| Weight | |
| Weight | 1.07 kg |
| Status | Dec 6, 2009 |