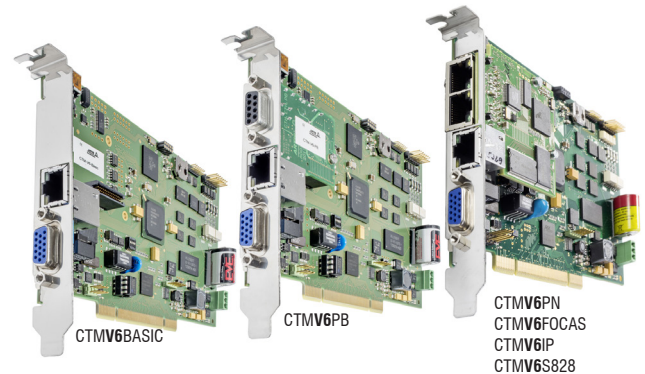


CTMV6 TOOL AND PROCESS MONITORING SYSTEM



Properties

- Monitoring system for machine tools in serial production
- Flexible interface concept: Profibus, Profinet, Focas, Ethernet IP
- Independent of controls and manufacturers
- Different monitoring options
- Process documentation
- Process optimization

Functionalities

MONITORING METHODS

| | |
|-----------------|---|
| STANDARD | Breakage-, missing-, overload- and wear*-monitoring |
| SAS | Additional: selection of monitoring segments |
| DX/DT | For long machining processes or small lot sizes |
| GEAR HOBBING* | Early wear detection |
| FLUID STRATEGY* | For deep hole processing |

VISUALIZATION

| | |
|-----------------------------|---|
| VISUALIZATION IN 4 CHANNELS | Process, limits, learn data |
| CONFIGURATION | Operation assistance, menus for automatic and manual adjustment of limits |
| SCALING* | Display of absolute values, e.g. Nm |
| MULTI LINGUA | Includes 7 languages (German, English, French, Italian, Portuguese, Spanish, Dutch) |
| OPT. FURTHER LANGUAGES | Scandinavian, Eastern European languages, East Asian languages |

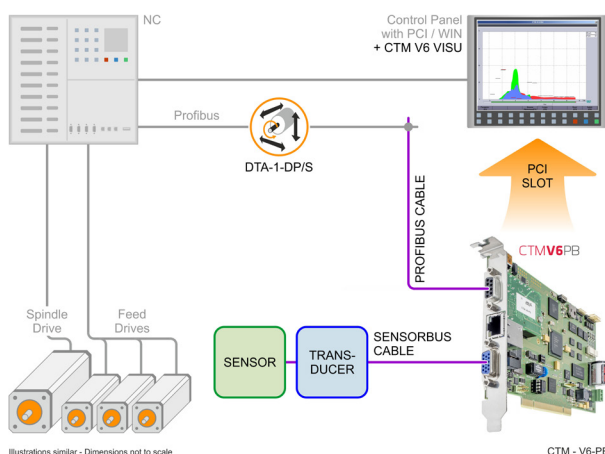
DOCUMENTATION***

| | |
|-------------------------------------|---|
| DATA RETRIEVAL | Recent processes alarms and events |
| STATISTICS* WITH AUTOMATIC FUNCTION | Data collection (recent processes, recent alarms) |
| PROcESS-DOCUMENTATION ** | Data collection, measuring data |
| SCREENSHOT-FUNCTION | Selective saving of current visualizations |

OPTIMIZATION

| | |
|---------------------------|---|
| AC ADAPTIVE CONTROL ** | Feed control for constant load and reduction of cycle times |
| OPTIMIZATION OF TOOL LIFE | By means of wear monitoring* |

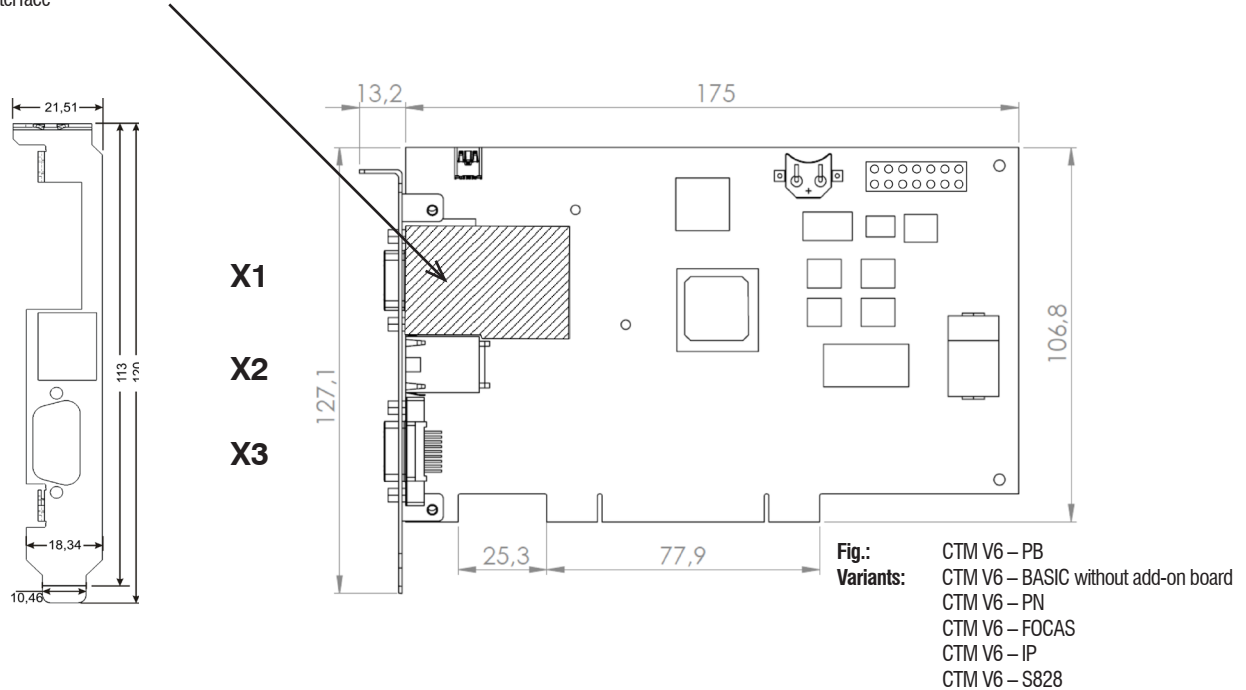
Legend: * optional additional features
** available with PROFIBUS, PROFINET, FOCAS, ETHERNET IP
*** optimal functional reliability depends on CPU- and network load



Application example

CTMV6 – PB, sensorless retrieval of process data directly from the control core via DTA (Digital Torque Adapter)

Add-on board:
e.g. PROFIBUS
interface



| CTMV6XX | |
|--|---|
| DIMENSIONS | Euro format PCI card 110 x 180 mm |
| WEIGHT(KG) | BASIC 0,141 PB 0,160 |
| | FOCAS, IP, PN, S828 0,172 |
| OPERATING TEMPERATURE | 0 ... +55 °C |
| CURRENT CONSUMPTION | 850 mA (nominal 5 V) |
| HIGH STARTING CURRENT | up to 3 A (max. 3 ms) |
| SAVING OF PROCESS DATA | 1 GB for recording 4h/channel overall monitoring time, learn cuts included |
| INTERFACES | X2 Ethernet TCP/IP (visualization) |
| | X3 ARTIS sensor bus ASB |
| | X4 4 x dign-IN, 4 x dig.-OUT via CTM BX-2-IO |
| SYSTEM REQUIREMENTS | Note! High CPU load or network overload might influence the function of the software. For optimal functional reliability, close all unused applications and – if applicable – use a separate network. |
| PCI SLOT | 1 free PCI slot |
| WINDOWS OP. SYSTEM (other operating systems upon request) | WIN XP (SP3) / WIN7 / WIN8 / WIN10 (32/64 bit) |

| | |
|---------------------------|---------------|
| FREE MEMORY SPACE | > 100 MB |
| CONFORMITY | CE, UKCA |
| Interface variants | |
| CTM V6 – BASIC | |
| CODE | O830Z410007 |
| FIELDBUS CONNECTION X1 | none |
| CTM V6 – PB | |
| CODE | O830Z410008 |
| FIELDBUS CONNECTION X1 | PROFIBUS |
| CTM V6 – PN | |
| CODE | O830Z410016 |
| FIELDBUS CONNECTION X1 | PROFINET |
| CTM V6 – FOCAS | |
| CODE | O830Z410018 |
| FIELDBUS CONNECTION X1 | FOCAS |
| CTM V6 – IP | |
| CODE | O830Z410009 |
| FIELDBUS CONNECTION X1 | ETHERNET IP |
| CTM V6 – S828 | |
| CODE | O830Z410021 |
| FIELDBUS CONNECTION X1 | S828-PROFINET |



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For a full list of address locations, please consult the Marposs official website

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