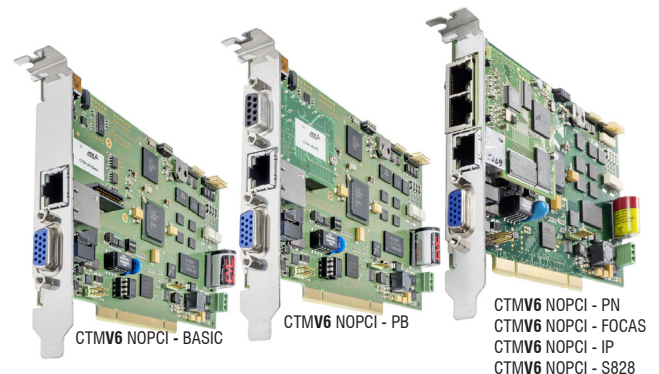


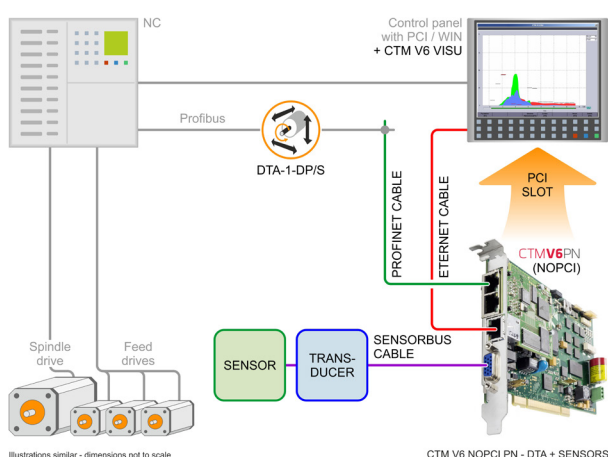
CTMV6

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



Application example

CTMV6 NOPCI - PN, sensorless retrieval of process data directly from the control core via DTA (Digital Torque Adapter)

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 LINGUAL	includes 7 languages (German, English, French, Italian, Portuguese, Spanish, Dutch)
OPT. FURTHER LANGUAGES	Scandinavian, Eastern European languages, East Asian languages

Documentation***

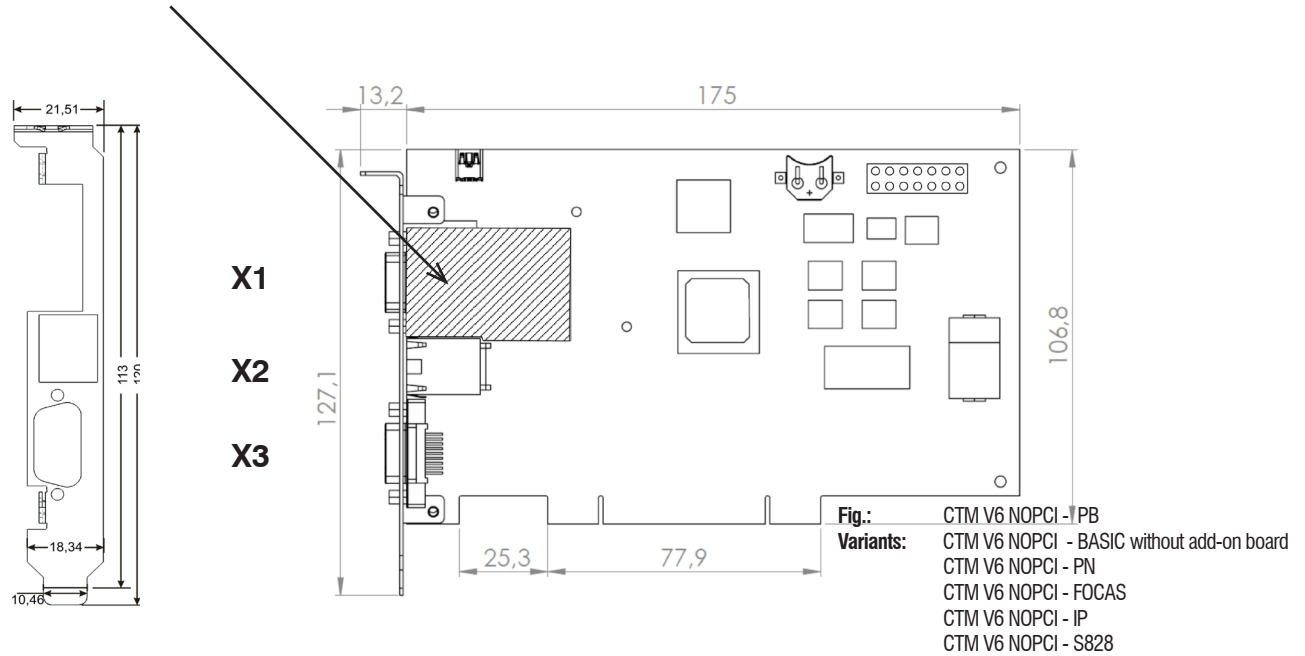
DATA RETRIEVAL	recent processes, recent alarms, recent events
STATISTICS* WITH AUTOMATIC FUNCTION	data collection (recent processes, recent alarms)
PROCESS-DOCUMENTATION **	data collection, measuring data
SCREENSHOT-FUNCTION	selective saving of current visualizations

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

Add-on board:
e.g. PROFIBUS
interface



CTMV6 NOPCI - XX	
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
	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 (voltage supply only, no PCI communication)
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 NOPCI - BASIC	
CODE	0830Z410022
FIELDBUS CONNECTION X1	none
CTM V6 NOPCI - PB	
CODE	0830Z410023
FIELDBUS CONNECTION X1	PROFIBUS
CTM V6 NOPCI - PN	
CODE	0830Z410024
FIELDBUS CONNECTION X1	PROFINET
CTM V6 NOPCI - FOCAS	
CODE	0830Z410026
FIELDBUS CONNECTION X1	FOCAS
CTM V6 NOPCI - IP	
CODE	0830Z410025
FIELDBUS CONNECTION X1	ETHERNET IP
CTM V6 NOPCI - S828	
CODE	0830Z410027
FIELDBUS CONNECTION X1	S828-PROFINET



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

ODN6419EN07 – Edition 02/2021 – Specifications are subject to modifications
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