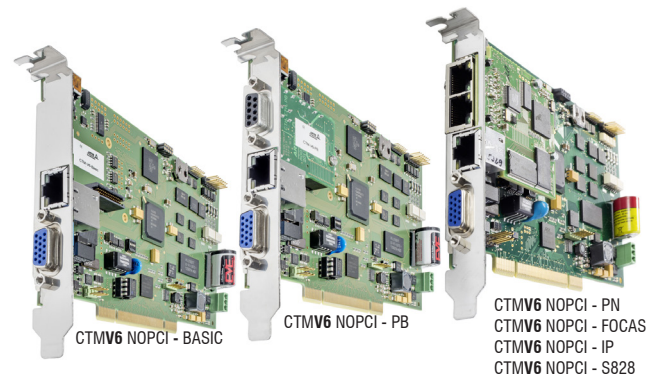


CTMV6 TOOL AND PROCESS MONITORING SYSTEM



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

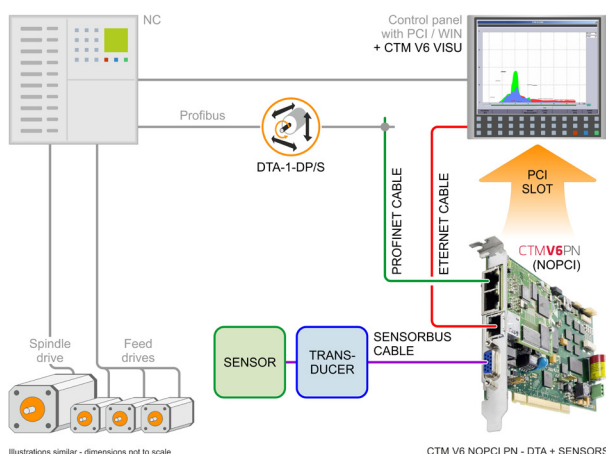
Documentation***

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*

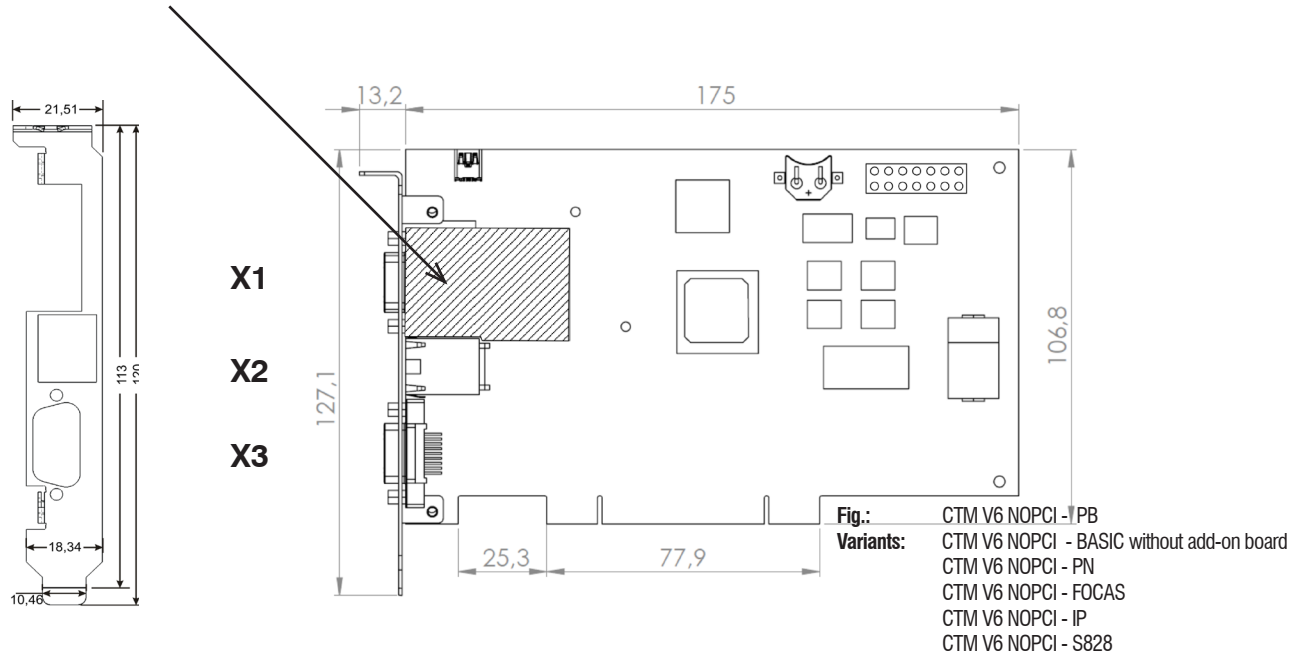
Legend: * optional additional features
** available with PROFIBUS, PROFINET, FOCAS, ETHERNET IP
*** optimal functional reliability depends on CPU- and network load



Application example

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

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)
SYSTEM REQUIREMENTS	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	O830Z410022
FIELDBUS CONNECTION X1	none
CTM V6 NOPCI - PB	
CODE	O830Z410023
FIELDBUS CONNECTION X1	PROFIBUS
CTM V6 NOPCI - PN	
CODE	O830Z410024
FIELDBUS CONNECTION X1	PROFINET
CTM V6 NOPCI - FOCAS	
CODE	O830Z410026
FIELDBUS CONNECTION X1	FOCAS
CTM V6 NOPCI - IP	
CODE	O830Z410025
FIELDBUS CONNECTION X1	ETHERNET IP
CTM V6 NOPCI - S828	
CODE	O830Z410027
FIELDBUS CONNECTION X1	S828-PROFINET



www.marposs.com

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

ODN6419EN07 – Edition 02/2021 – Specifications are subject to modifications
© Copyright 2010-2021 MARPOSS S.p.A. (Italy) – All rights reserved.

MARPOSS, and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in this publication are acknowledged to the respective owners.

Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification.



Download the latest version of this document

