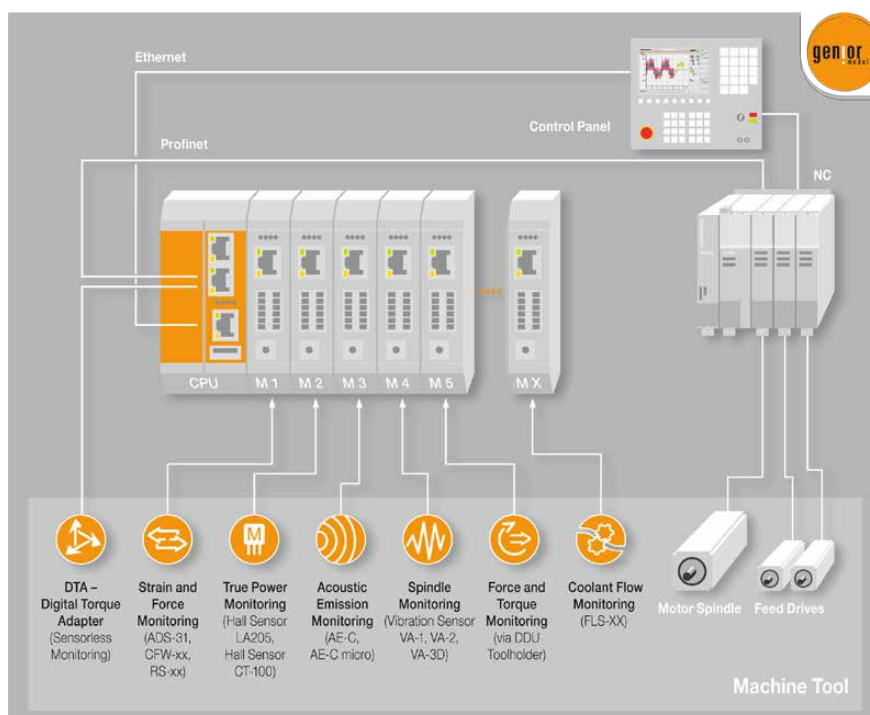


## Special Features

- Monitoring system for machine tools in serial production lines
- Supported interface: Profinet
- Monitors tool breakage, missing tools, tool wear, Adaptive Control (AC)
- Monitors up to 4 NC-channels (more in preparation)
- Up to 8 additional sensors connectable
- Max. 16 signals
- Sample rate adjustable (min. 2 ms, typical 10 ms)



## GENIOR MODULAR BASE MODULE WITH PROFINET INTERFACE



## Modular System

GENIOR MDOLAR is a fully automatic system for process-monitoring and -control for machine tools in metal cutting.

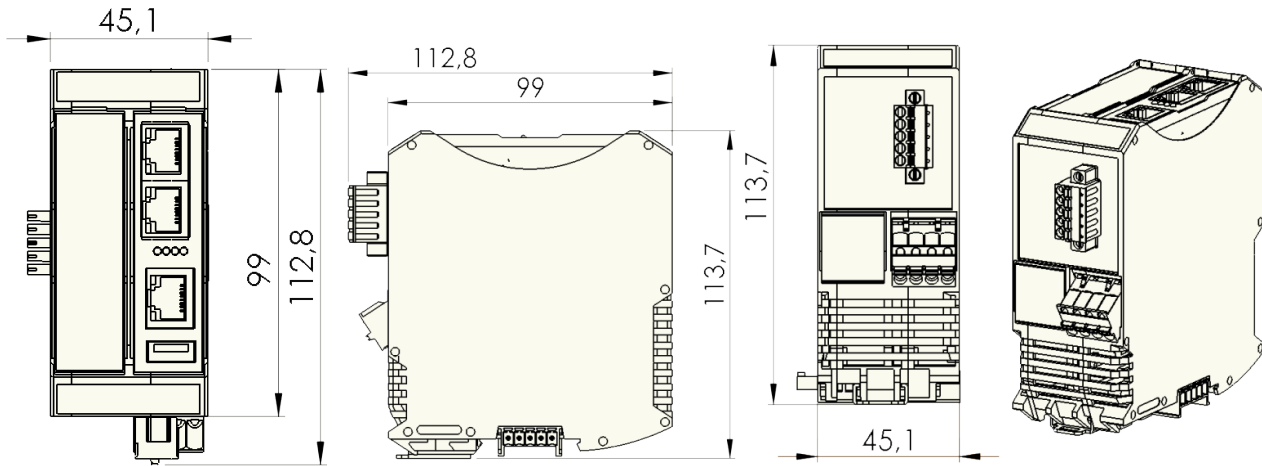
GENIOR MODULAR captures the necessary measurement data digitally via the base module GEM CPU-02-PN. For special monitoring tasks, the system may also be operated with different sensors and corresponding measuring transducers.

### Measuring transducers for:

FM-01	Force, strain and coolant flow ± 10 V, 4...20 mA
TP-01	True power
AM-01	Acoustic emission
VM-01	Vibration and acceleration
VM-02	Vibration and acceleration, collision monitoring
TF-01	Torque and axial force
IO-01	Input/output converter

# GENIOR MODULAR Base Module with Profinet Interface

## GEM CPU-02-PN



front view

view from the right side

view from below

perspective view

	<b>O830Z510006</b>
Dimensions	see drawing
Weight	243 g
Material	PolyamidePA 6.6
Storage temperature	-20 °C... +60 °C
Operation temperature	0 °C... +50 °C
Flammability class	VO (UL94)
Rel. humidity	5 – 85 % without condensation
Degree of protection	IP20
Contacting	Spring terminals, in-rail bus connector
Installation	Mounting rail acc. to DIN EN 60715
Voltage supply	24 V ±20 %
Nom. current consumption	max. 500 mA
Ripple	max. 5 %
Interfaces	2 x ARTIS CAN bus 10/100 Base T Ethernet USB Host Profinet
Control requirements	Profinet or in-/outputs for parallel wiring
Examples control requirements	Siemens 840D SL, Fanuc, usw.
Conformity	CE

### Licence codes (order separately)

<b>GEM DTA-DP</b> <b>OCMZ5100004</b>	Licence code for activating the sensorless torque monitoring
<b>GEM C</b> <b>OCMZ5100005</b>	Licence code for activating one additional monitoring channel
<b>GEM F-AC</b> <b>OCMZ5100003</b>	Licence code for activating the Adaptive Control AC
<b>GEM F-WEAR</b> <b>OCMZ5100002</b>	Licence code for activating the wear monitoring

### Supported components (order separately)

Cable Ethernet (CO) connection cable (Crossover)	2 m:	Code O6739797065
	5 m:	Code O6739797066
	10 m:	Code O6739797067
	20 m:	Code O6739797068
Cable Profinet connection cable RJ45/RJ45	0.3 m:	Code O6739797114
	0.5 m:	Code O6739797115
	1 m:	Code O6739797116
	2 m:	Code O6739797117
	3 m:	Code O6739797118
	5 m:	Code O6739797119
10 m:	Code O6739797120	
20 m:	Code O6739797121	



www.marposs.com

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

ODN6421EN04 – Edition 02/2018 – Specifications are subject to modifications  
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