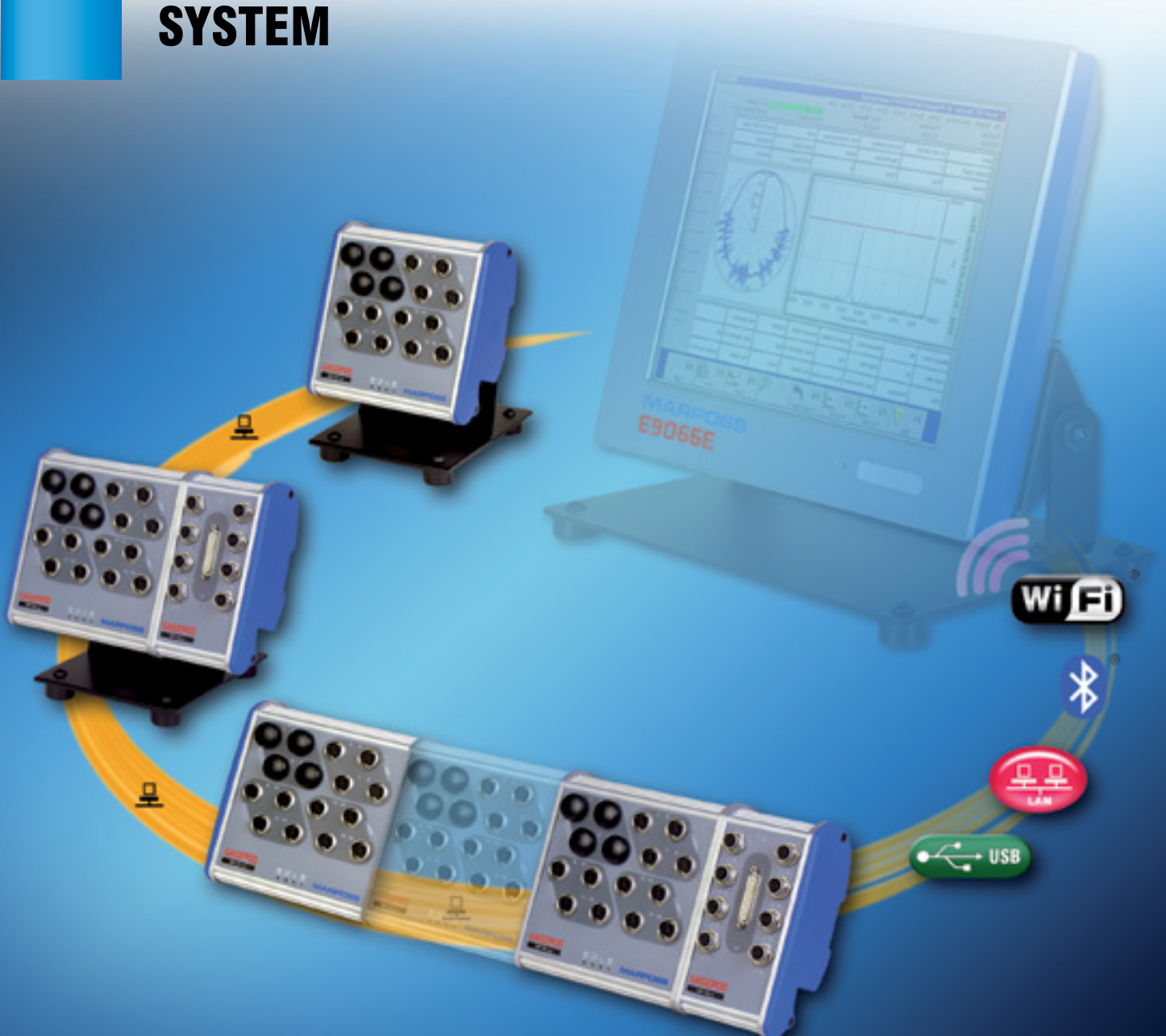


MARPOSS

GAGEPOD

**DISTRIBUTED DATA ACQUISITION
SYSTEM**





The GagePod™ is a modular and distributed data acquisition system, and can be used for a wide range of applications, from simple manual gauging to fully automatic measurement and inspection systems. It connects to any Marposs E9066™ industrial computer or commercial PC running Marposs Quick SPC™ Measurement, SPC and Quality Control software suite.

GagePod modules, based on ARM9™ RISC technology, snap together without interconnecting cables, and can be easily combined and tailored to any application.

The GagePod system connects to the computer via a single USB or Ethernet cable, or wirelessly through either a *Bluetooth*® or *WiFi*® connection.

The system can be provided with a benchmount pedestal, and also integrates DIN-rail mounting for industrial cabinets or custom-made solutions, and is designed to IP54 standards.

Main technical characteristics and features:

- ARM9™ RISC technology
- 24-bit resolution for high speed data acquisition and sampling
- All modules are synchronized, for even the most demanding dynamic measurements, including management of linear and rotary encoders
- Connectivity to E9066T™ / E9066E™ or any commercially available PC, using industry standard interfaces: USB, Ethernet, *Bluetooth*, *WiFi*.

TECHNICAL CHARACTERISTICS

Technology	
Processor	ARM9™ 32 BIT - 400MHz
A/D converter	24bit A/D converter
Data synchronization	Synchronization for all modules
Sampling	Parallel sampling on all 16 channels
	Programmable sampling frequency per channel
	Separate sampling frequency module by module
	Manages TEDS (Transducer Electronic Data Sheet)
Connectivity	
Ethernet Ports	2 x Ethernet 100Mbps / RJ45 connectors
USB ports	2 x USB host; 1 x USB device
Serial port	RS232/422/485 (multistandard) / D-SUB9
Power supply	24Vdc (IEC 61131-2) / M12 connector
Modules	
DAQ	16 Channel (LVDT, HBT, Digicrown, HBT-13KHz)
Input / Output	16 I/O and 32 I/O modules (24 Vdc, opto-insulated)I
Encoder	9 x rotary/linear; D-SUB9 + synchronization
Fieldbus	Profibus DP, ProfiNet and others upon request
Mounting solutions and options	
DIN rail mount	integrated
Benchmount pedestal	option
Power supply	24Vdc AC/DC adapter (option)
Environmental	
Relative humidity	5 ÷ 80 % relative humidity
Temperature (operating)	5 ÷ 45 °C (operating)
Temperature (non operating)	-20 ÷ 60 °C (non operating)

GagePod modules include:

- 16 channel DAQ
- Digital I/O type 16I/O and 32I/O
- Linear/rotary encoder module
- Fieldbus module
- Motor Driver Module

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

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