



Embedos Engineering LLP is in the field of Factory Automation, Controls & the Industrial Internet of Things. The era of Connected systems and Convergence of technologies has now come to the Automation field, opening new and unprecedented opportunities.

Embedos offers end to end Hardware, Software and Interface Solutions from Field signals to the Cloud.



APPLICATIONS & Controls

Industry 4.0
Data Logger
Remote Telemetry
Cloud Gateway
Protocol Converter
Embedded Systems
Programmable Automation Controller



ANALYTICS

Machine Diagnostics
Asset / Utility Monitoring
Manufacturing Intelligence
Predictive Maintenance
Real Time Edge / Fog Analytics
Overall Equipments Efficiency



INDUSTRY

Automotive
Machine Tools
Solar
Material Handling
Special Purpose Machines
Heavy Machine Industries



HARDWARE

32 bit ARM Processor
15 bit ADC
On Board Storage upto 32 Gb
3.2 / 3.5 / 7 Inch color display
Real Time Clock



SOFTWARE & CLOUD

Embedded Webserver
Cloud Based Web Application
Visualization & Dashboard
Historical Data Processing & Alerts
ERP Integration
Cloud Management & Maintenance



FIELDBUS

Modbus - TCP
Modbus - RTU
CAN Open



WIRED CONNECTIVITY

Ethernet (10 / 100 Mbps)
RS - 232
RS - 485
CANbus 2.0
USB 2.0



WIRELESS CONNECTIVITY

Wi-Fi (802.11 b/g/n)
GPRS



PROTOCOLS

MQTT / HTTP / HTTPS
Modbus - TCP
UDP
OPC
Named Pipes

HARDWARE

FEATURES	BASIC (EMABAC)	EDGE (EMAEEC)	HMI
▪ Digital Inputs	6	8	2
▪ Digital Outputs	5	5	2
▪ V/I Analog Inputs	4	4	4
▪ V/I Analog Outputs	-	√	√
▪ Ethernet TCP / IP Interface	-	√	√
▪ RS - 485 Serial Interface	√	√	√
▪ CAN BUS Interface	-	√	-
▪ USB Host / Device Port	-	√	√
▪ Internal Buffer Memory	-	8-32 GB	8-32 GB
▪ Wi-Fi Interface	-	√	√
▪ GPRS Interface	-	√	√
▪ Programming Port	RS 485	Ethernet	Ethernet
▪ Remote Programming	-	√	√
▪ Touch Screen	3.2 Inch	Optional (3.5 Inch)	7 Inch



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