



RabBan Control Solutions,
 Trivik Windwalk, Door no. WR-502,
 5th Floor, Veerasagar main Road,
 Attur Layout, Yelahanka,
 Bengaluru, Karnataka, India

RabBan Products Catalogue

- ❖ This document lists all the products which are either in ready to sell or in development phase.
- ❖ All these products are flexible for customization for specific needs of customer.

Sl. No.	Products	Unique Features	Common Features	Status
1 Protocol Bridges				
1.1	Yash	<ul style="list-style-type: none"> • Field 5V Power • Compact Design 	<ul style="list-style-type: none"> • USB device, CAN, and Modbus RTU ports • Works with all serial bus parameters • Available with PC Software Package to configure the board parameters. • USB Powered • Lead Time: 3 Weeks 	Ready to sell
1.2	Avi	<ul style="list-style-type: none"> • USB Host and Ethernet Ports • Field 24V Power • Ethernet / Wi-Fi IoT Module • TCP Modbus to Modbus RTU and vice versa. 		Ready to sell
2 RabBan IoT Platform				
2.1	IoT Platform	<ul style="list-style-type: none"> • Flexible as it is multi-tired. • AWS IoT infrastructure • User-definable device data schema • Data collection at specified location in the Amazon cloud and data retrievable through API • Echo system of service providers to build App, Dashboard and AI/ML models. • Enables Remote diagnostics. • Enables build predictive maintenance models. • Value addition to every tier of use. 		Development

Sl. No.	Products	Unique Features	Status
3	Stepper Motor Driver		
3.1	Ashwa / Gaja	<ul style="list-style-type: none"> • CAN / Modbus Interface • Offloads motion control from the central controller. • Industry leading motor controller driver with cutting edge features: <ul style="list-style-type: none"> ○ Reduced power consumptions. ○ quiet motion ○ minimum to zero heat losses • facilitates range of motion controllers for torque and power needs • Available with RabBan IoT integration 	Development
4	Generic control System		
4.1	Adi	<ul style="list-style-type: none"> • 2 CAN, RS485, RS232, Ethernet, USB Host/device • SD Card interface • 8 Isolated digital inputs (24 V) • 8 isolated digital outputs (24 V) • Expansion port to add Analog In/Out or any other peripherals as per requirements. • Optional RabBan IoT integration • Available with custom embedded software 	Ready to sell

Sl. No.	Products	Unique Features	Common Features	Status
5	DAQ Systems			
5.1	Data Loggers (Low Speed)	<ul style="list-style-type: none"> Built over Adi / Avi DAQ rate up to 2 kHz Available with auxiliary 8 12-bit ADC channels. 	<ul style="list-style-type: none"> Carrier Board: 8 analogue input channels with 24-bit ADC Sensor based Signal Conditioners available. Stackable for higher channel counts DAQ Software: <ul style="list-style-type: none"> UI with intuitive guide System Configuration Calibration Real-Time Graphics for visualization Data Storage and Playback Data Export and Report Generation Plugins / API kit for user to develop his own DAQ software. Available with IoT Integration 	Development (Design)
5.2	High Speed DAQ System	<ul style="list-style-type: none"> FPGA Based Processor DAQ Rate: 2-200 kHz FFT Analyser 		Development (Conceptualization)

Sl. No.	Products	Unique Features	Status
6	Signal Conditioners		
6.1	Load cell strain bridge Signal Conditioners	<ul style="list-style-type: none"> • Quarter Bridge • Half Bridge • Full Bridge • Shunt Calibration • Configurable DC excitations. • TEDS support • Coarse and fine offset corrections • Software selectable shunt resistor. 	Development (Design)
6.2	LVDT Signal Conditioners	<ul style="list-style-type: none"> • Linear and Rotary LVDTs • Programmable AC excitation • Compatible with 3-wire, 4-wire and 6-wire LVDTs • Programmable offset and gain corrections • Ratio metric output • TEDS supported. 	Development (Design)
6.3	Signal conditioners for sensors with high level outputs	<ul style="list-style-type: none"> • Thermistors / RTD / Thermocouple based temperature measurements • Pressure sensors, Accelerometer sensors etc. • Compatible for current outputs • Programmable attenuation and amplification • TEDS supported 	Development (Design)
6.4	Signal conditioners for encoders	<ul style="list-style-type: none"> • Compatible for incremental and absolute encoders • Linear and rotary encoders • SSI supported • 1x/2x/4x modes • Binary or gray-coded outputs • Covers 8-32 bit encoders 	Development (Design)