RTA 50 years 1976 2026

NEW!

MiniMax Series

EtherCAT® PLC + I/O



DESIGNED & DEVELOPED 100% RTA

PROSISTAV
Acrescentamos Criatividade e Tecnologia às suas Ideias

Zona Industrial da Mota, Rua 7 Lote 6A •
3830-527 Ílhavo • Portugal
Telf. + 351 234 397 210 • prosistav@prosistav.pt •
www.prosistav.pt

MiniMax is the new EtherCAT PLC series designed and completely developed by RTA, which grants easy configuration and programming for stepper and servo drives. It allows to develop EtherCAT automation solutions ranging from basic to medium complexity. A useful Modbus TCP/IP server is featured on the additional LAN Port: MiniMax can easily be connected and integrated with HMIs, third party PLCs, Industrial PCs and other network devices.

Product Line

Features

- RTA Studio: unique software environment for configuration and debugging
- Smart Structured Text programming language with built-in function libraries
- Full RTA and SANYO DENKI EtherCAT drives compatibility
- Easy integration with other automation systems by Modbus TCP/IP, UDP and Modbus RTU
- Compact Size: 32x130x106 mm
- Advanced Axes Motion Interpolation
- RTA Wiki platform available for further technical insights
- IOT ET D8.8 Module: 8 digital inputs / 8 digital PNP/NPN outputs; protections Over-Voltage and Shortcircuit for outputs

IOT ET D8.8 Module



MiniMax versions comparison

	A1	R2	S3 NEW!
BASIC AXES*	up to 64	up to 64	up to 64
ADVANCED AXES▲	8	32	32
ENCODER INPUT	NA	NA	1 incremental encoder input
DIGITAL I/Os	5 inputs / 5 outputs	5 inputs / 5 outputs	5 inputs / 5 outputs
ANALOG I/Os	NA	NA	3 inputs / 1 output
OTHER OUTPUTS	NA	NA	3 Pulse Train outputs
3D KINEMATICS	NA	Yes	Yes
Real-time Storage Engine	NA	NA	2 Gbit

*Basic axes: point to point movements, homing and basic motor drive modes
▲ Advanced axes: advanced axes interpolation, mechanical cam, gears and links

ELECTRICAL CAMS MANAGEMENT



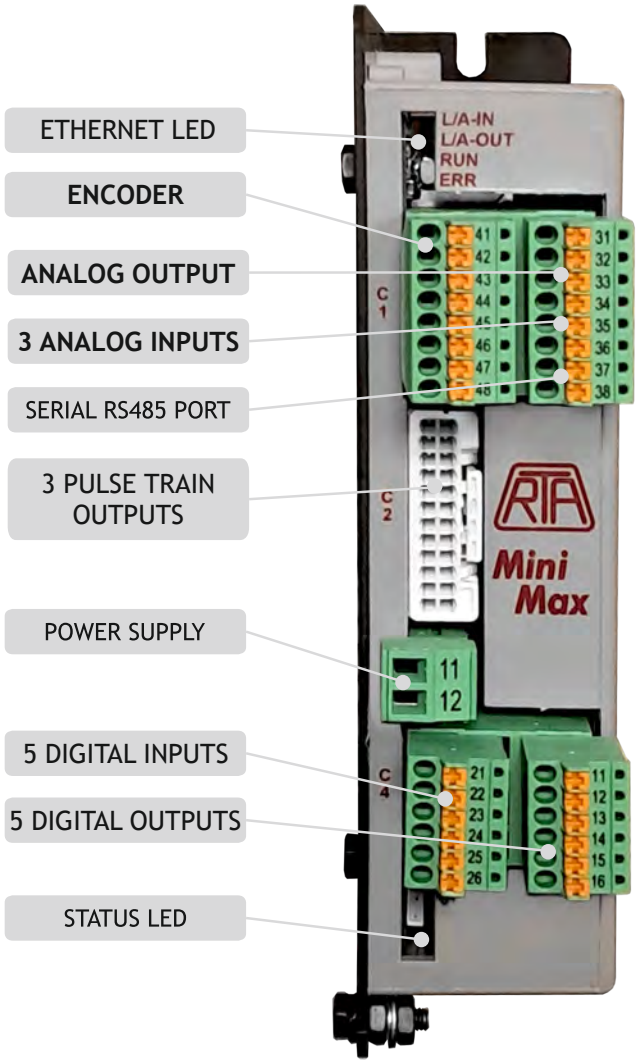
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MiniMax A1&R2

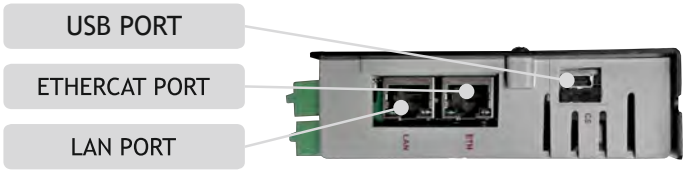


MiniMax S3

NEW!



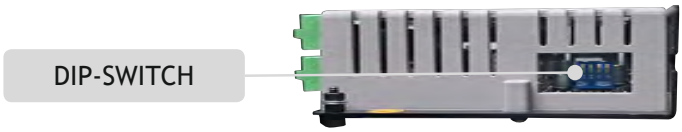
TOP VIEW



BOTTOM VIEW

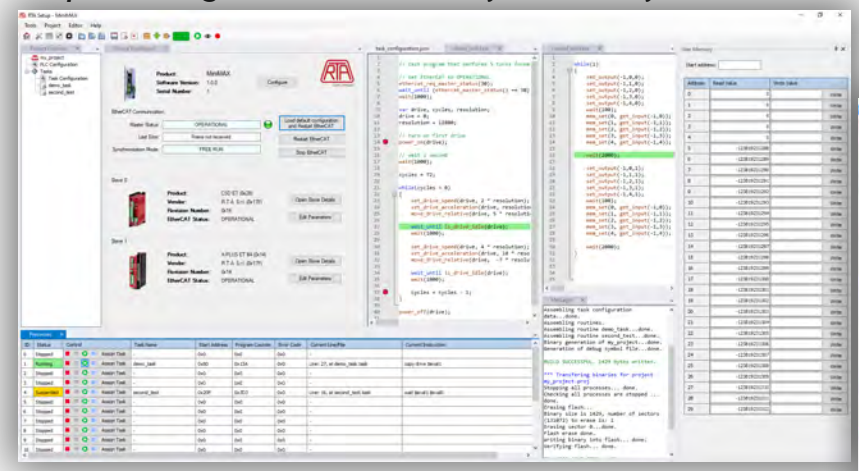


BOTTOM VIEW

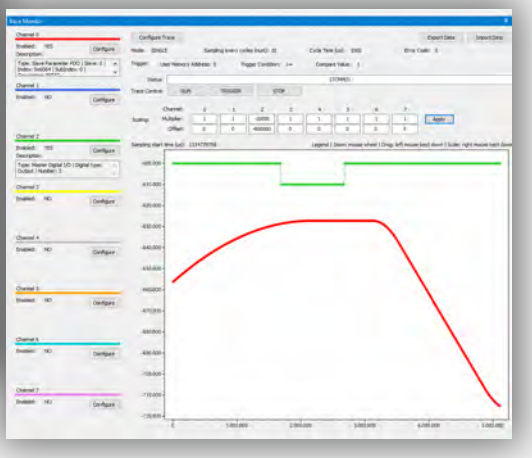


MiniMax Development Environment

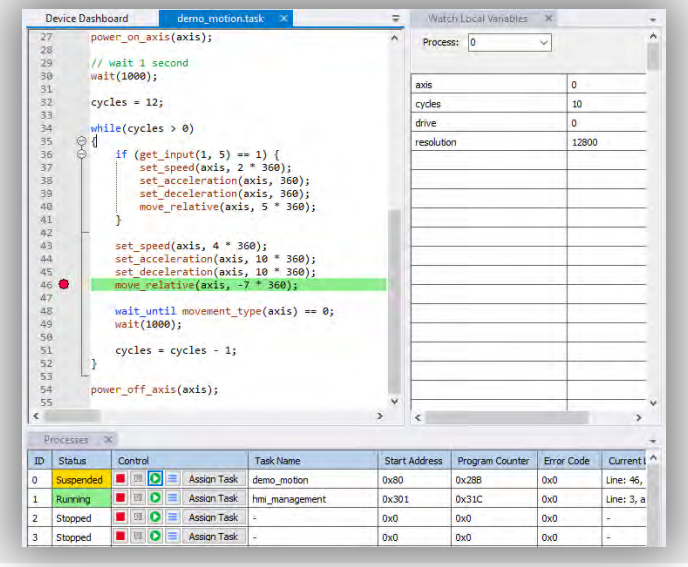
Complete integrated environment for Microsoft Windows



Trace monitoring of automation process parameters



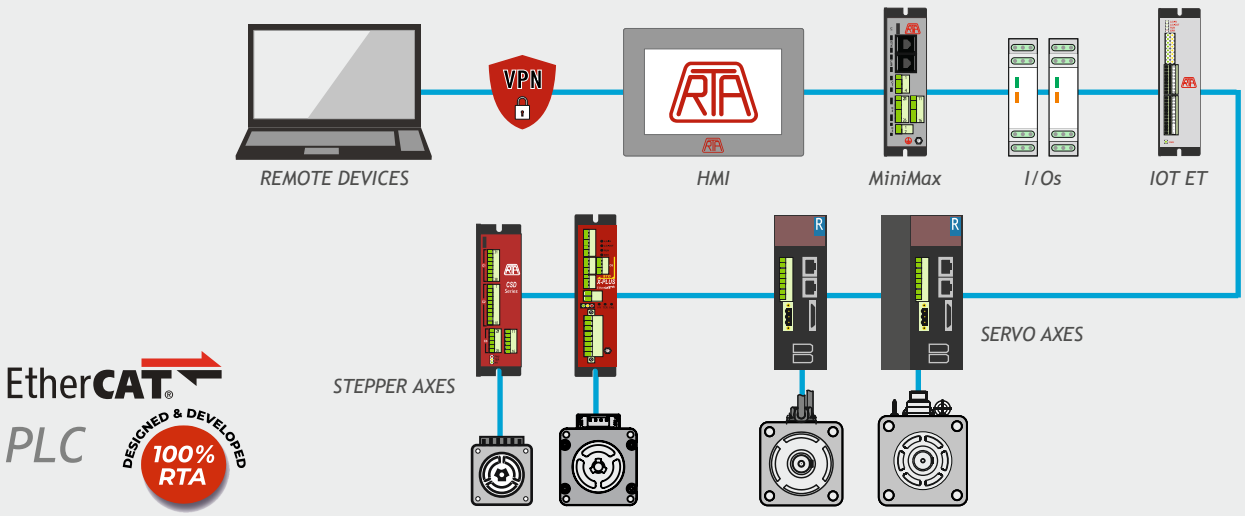
Easy programming language and debugging tools



Quick Axis settings and testing setup

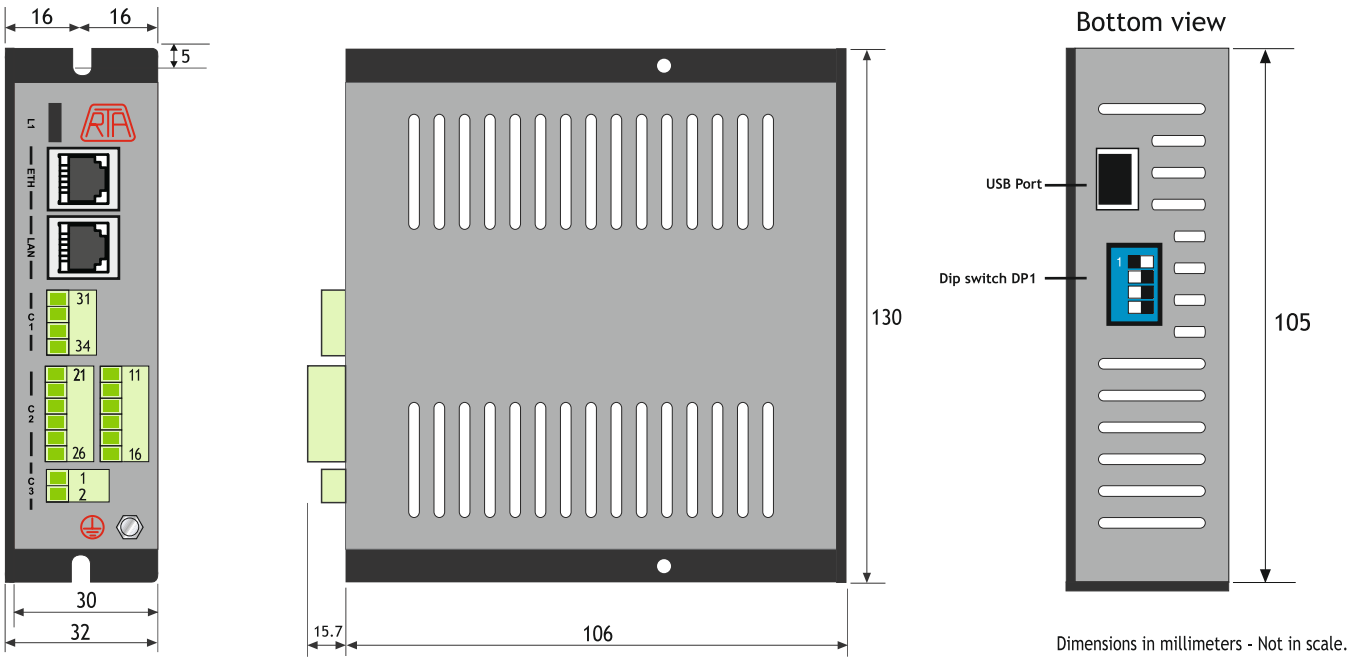


R.T.A. *MiniMax* system example



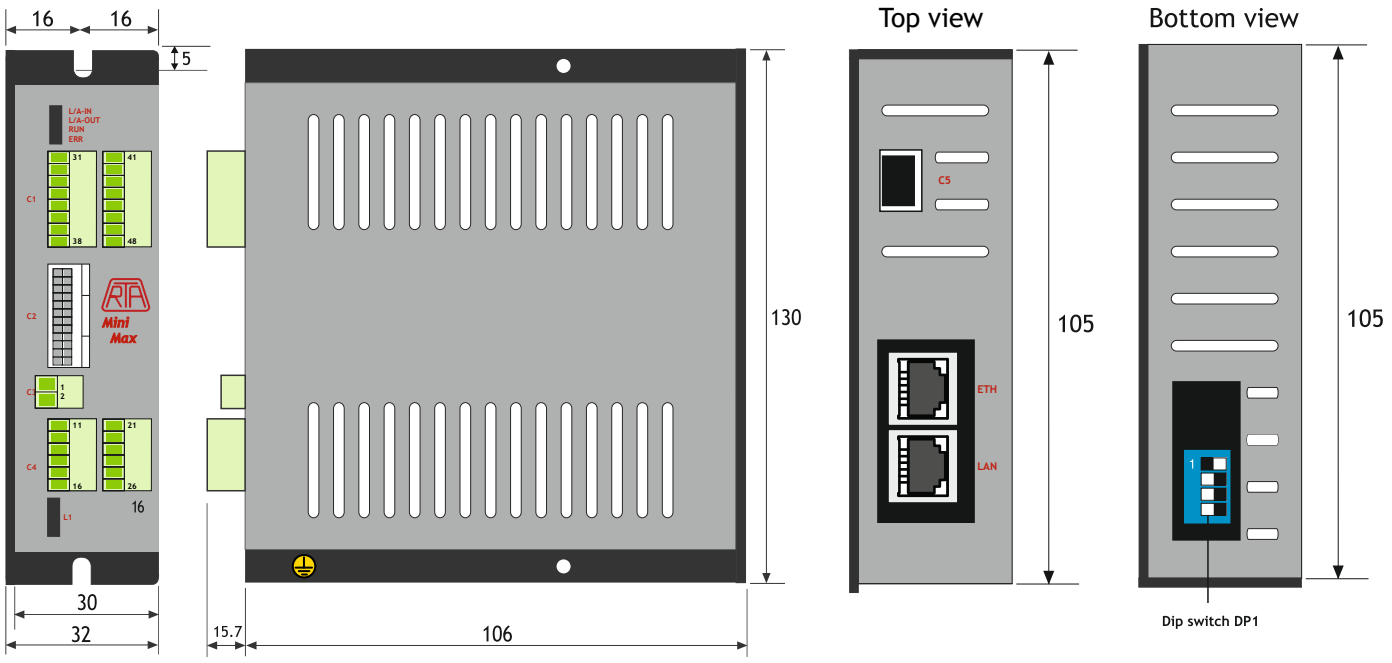
Mechanical dimensions

MiniMax R2 | MiniMax A1 - *MiniMax Series*



Dimensions in millimeters - Not in scale.

MiniMax S3 - *MiniMax Series*



Dimensions in millimeters - Not in scale.

ITALY

Corporate Headquarter

R.T.A. srl
Via E. Mattei 15, Fraz. Divisa - 27020 MARCIGNAGO (PV) ITALY
T +39.0382.929.855 | F +39.0382.929.150 | info@rta.it

www.rta.it

Local Branches

R.T.A. Filiale Centro
Centro Direzionale Cavour
Via Cavour 2, 40055 Villanova di Castenaso (BO) ITALY
T +39.051.780141 | rtabo@rta.it

GERMANY

R.T.A. Deutschland GmbH
Bublitzer Strasse 34, 40599 Düsseldorf GERMANY
T +49.211.749.668.60 | F +49.211.749.668.66 | info@rta-deutschland.de

www.rta-deutschland.de

INDIA

R.T.A. INDIA Pvt LTD
SCMC House, 16/6, 3rd Floor
Vishal Nagar Road - Pimple Nilakh
Pune 411 027 - Maharashtra INDIA
T +91 9422507445 | info@rta-india.in

www.rta-india.in

Look Ahead!

CATALOGUE
DIGITAL EDITION

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