

- 64 Axes CanOpen/Ethercat Interpolation Mode
- 64 Axes CanOpen/Ethercat Position Mode
- 32 Axes PULSE/DIR Position-Interpolation Mode
- 2 RS232 - 1 RS485
- 1 ETHERNET 10/100 Mb
- Max 128 Digital Inputs PNP 24 Vdc
- Max 112 Digital Outputs 1,2 A 24 Vdc
- 8 Analog Inputs 10 Bit
- 16 Analog Outputs +/-10V on NGIO/NGPP
- 16 Encoder Channels Line Drive 1 Mhz on NGIO
- 32 Fast Inputs Interrupt Mode on NGPP
- PLC Cycle
- MULTIPROCESS Interpolation
- Modbus RTU/Modbus TCP/IP
- Component for Framework .NET
- GEAR and eCAM
- VTB Language



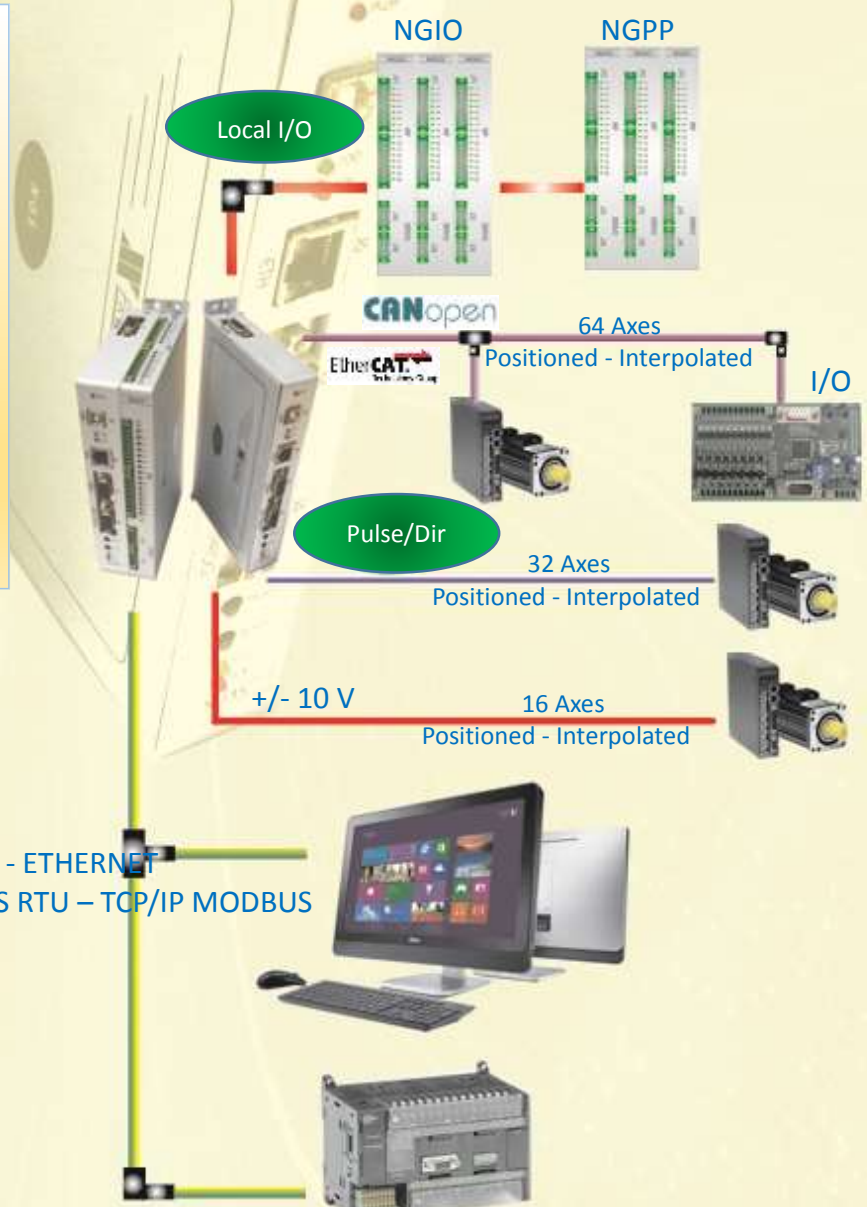
NG 35 is the highest expression of multi-axes controls. With its 150 MHz 32-bit Micro is able to interpolate axes quickly and accurately. Equipped with operating system (RTOS Real Time Operating System) you can manage sessions MULTIPROCESS INTERPOLATION.

- ANALOG +/- 10V up to 16**
- CAN OPEN up to 64**
- ETHERCAT up to 64**
- PULSE/DIR. Up to 32 clock Max 25 Mhz**

Ethernet is integrated on board and provides the following protocols:

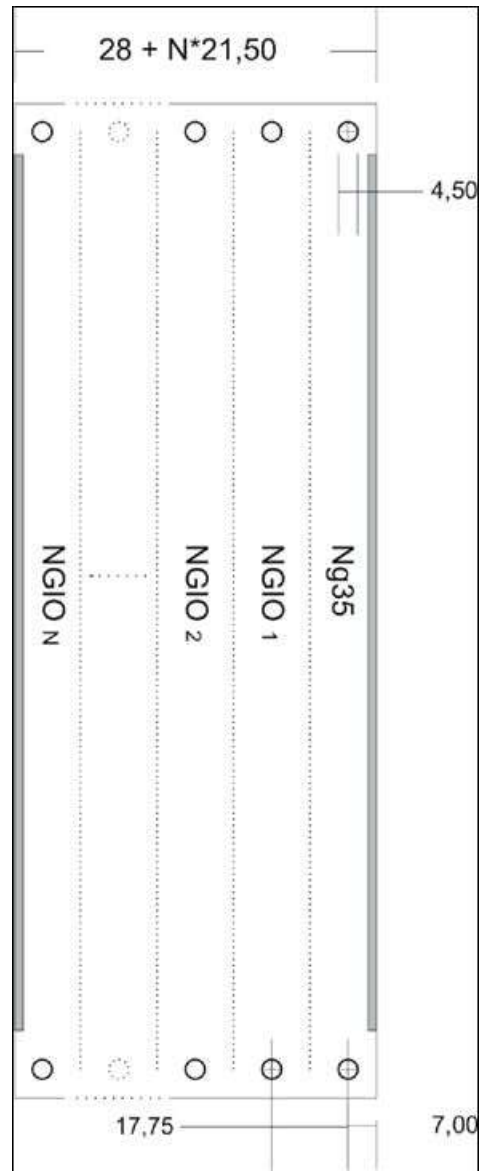
- MODBUS TCP/IP**
- RPC (remote procedure call)**
- DEBUG**

There are also two RS232 serial ports, one of these can be configured RS485. Both ports operate in **MODBUS RTU** protocol

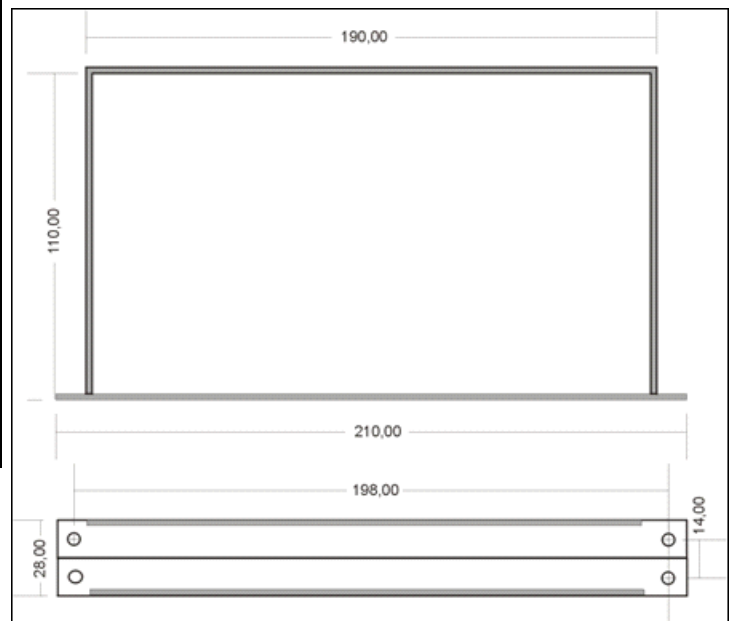


**FRAMEWORK Component and COMPACT FRAMEWORK (window CE) Can be used with Visual Studio VTB generates a DLL component .NET simplifying the PC user interface**

NG35 CPU	
CPU	MFC <b>5235</b> Cold Fire 32 Bit 150 Mhz 150 Mips
RAM	<b>16</b> Mb System Ram – <b>4</b> Mb flash code – <b>32</b> Kb ram static clock <b>64</b> Mb flash Disk FAT16
RS232	<b>2</b> – RS232 (1 - RS485) with <b>ModBus RTU</b> master/slave
ETHERNET	<b>1</b> – ETHERNET 10/100 Mb on RJ45 with <b>TCP/IP Modbus</b>
CANOPEN	<b>2</b> – Master/Slave <b>DS301 DS401 DS402</b>
ETHERCAT	<b>1</b> - Master 100 Mb CoE
ANALOG INPUTS	<b>8</b> – 10 bit 4-20 Ma or 0-10V
INTERPOLATION	<b>Linear – Circular – Helical– Gear – Ecam</b> <b>Interpolation MULTIPROCESS</b>
AXES INTERPOLATION and POSITIONED	<b>64</b> - CanOpen <b>64</b> - Ethercat <b>32</b> - STEP/DIR clock 25 Mhz on NGPP <b>16</b> - +/- 10v on NGIO <i>(The Axes interpolation, can be mixed, for a Maximum 64)</i> <i>(The Interpolation Axes, include also, GEAR and eCAM)</i>
POWER SUPPLY	<b>18-35 Vdc</b> <b>2,6 W</b> Only CPU (excluded expansions boards)
TEMPERATURE	<b>From -20° C to +70° C</b>
IP LEVEL	<b>IP20</b>
DIMENSIONS (mm)	<b>L30 H190 P110</b>
NG35 Local Bus Expansions	
NGIO	<b>16</b> – Digital Inputs PNP 24 Vdc Opto <b>14</b> – Digital Outputs PNP 24Vdc Opto up to 1,2 A <b>2</b> – Encoder Inputs Line Drive 5 V freq Max <b>1 Mhz</b> <b>2</b> – Analog Outputs +/- <b>10 V 12 bit</b> <b>2</b> – Rele' Outputs Max 35 Vdc – up to 1 A
NGPP	<b>16</b> - Digital Inputs PNP 24 VDC opto <b>14</b> - Out digitali 24 VDC optoisolate da 1,2 A continuativi <b>4</b> - Axes PULSE/DIR line drive freq MAX <b>25 MHZ</b> <b>4</b> – Fast Inputs <b>interrupt mode</b> <b>2</b> - Analog Outputs +/- <b>10V 12 bit</b>



NG35 Order Code	
NG35/	<span style="color: yellow;">■</span> - <span style="color: green;">■</span> - <span style="color: blue;">■</span>
A	<b>4</b> - Analog Inputs 10V <b>4</b> - Analog Inputs 4-20 Ma
B	<b>8</b> - Analog Inputs 10V
C	<b>8</b> - Analog Inputs 4-20 Ma
0	<b>2</b> - RS232 Ports
1	<b>1</b> – RS232 port on SER1 <b>1</b> – RS485 port on SER2
0	Without Flash DISK
1	64 Mb FLASH DISK
NGIO Order Code	
NGIO	
NGPP Order Code	
NGPP/	<span style="color: yellow;">■</span>
0	Without Analog Outputs
1	<b>2</b> – Analog Outputs +/- 10V 12 bit



**Promax srl**  
Via Newton, 5G  
50051 Castelfiorentino (FI) ITALY  
Tel: +39 0571 684620  
Fax: +39 0571 658720  
www.promax.it

info@promax.it