INDUSTRIAL CONTROLLERS

NORVI ARITA

For automation and IIOT applications

Introducing **NORVI ARITA**

NORVI Arita Simply....

Pressure sensors

Rotary encoders

Sensors

HMI

EIA 485
Communication

4–20mA 0-10V
Analog inputs

14 Digital Inputs **24V Ready**
SINK SOURCE Configurable

| 485B | 485B | A-COM | AI.0 | AI.1 | AI.2 | AI.3 | IN.0 | IN.1 | IN.2 | IN.3 | IN.4 | IN.5 | IN.6 | IN.7 | IN.8 | IN.9 | IN.10 | IN.11 | IN.12 | IN.13 | COM |

RS-485

norvi arita

PWR
RUN

I.0 I.1 I.2 I.3 I.4 I.5 I.6 I.7 I.8 I.9 I.10 I.11 I.12 I.13

NORVI Arita
0.96 OLED Display
14 – 24v Digital Inputs
10 – Relay outputs
2 – Transistor outputs

Q.0 Q.1 Q.2 Q.3 Q.4 R.0 R.1 R.2 R.3 R.4

ARDUINO

POWER

| Q-COM | Q0 | Q1 | Q2 | Q3 | Q4 | R0 | R1 | R2 | R3 | R4 | R-COM | TQ.1 | TQ.0 | T– | T+ | 24+ | 24- |

10 Relay outputs **5A**
Two separate commons
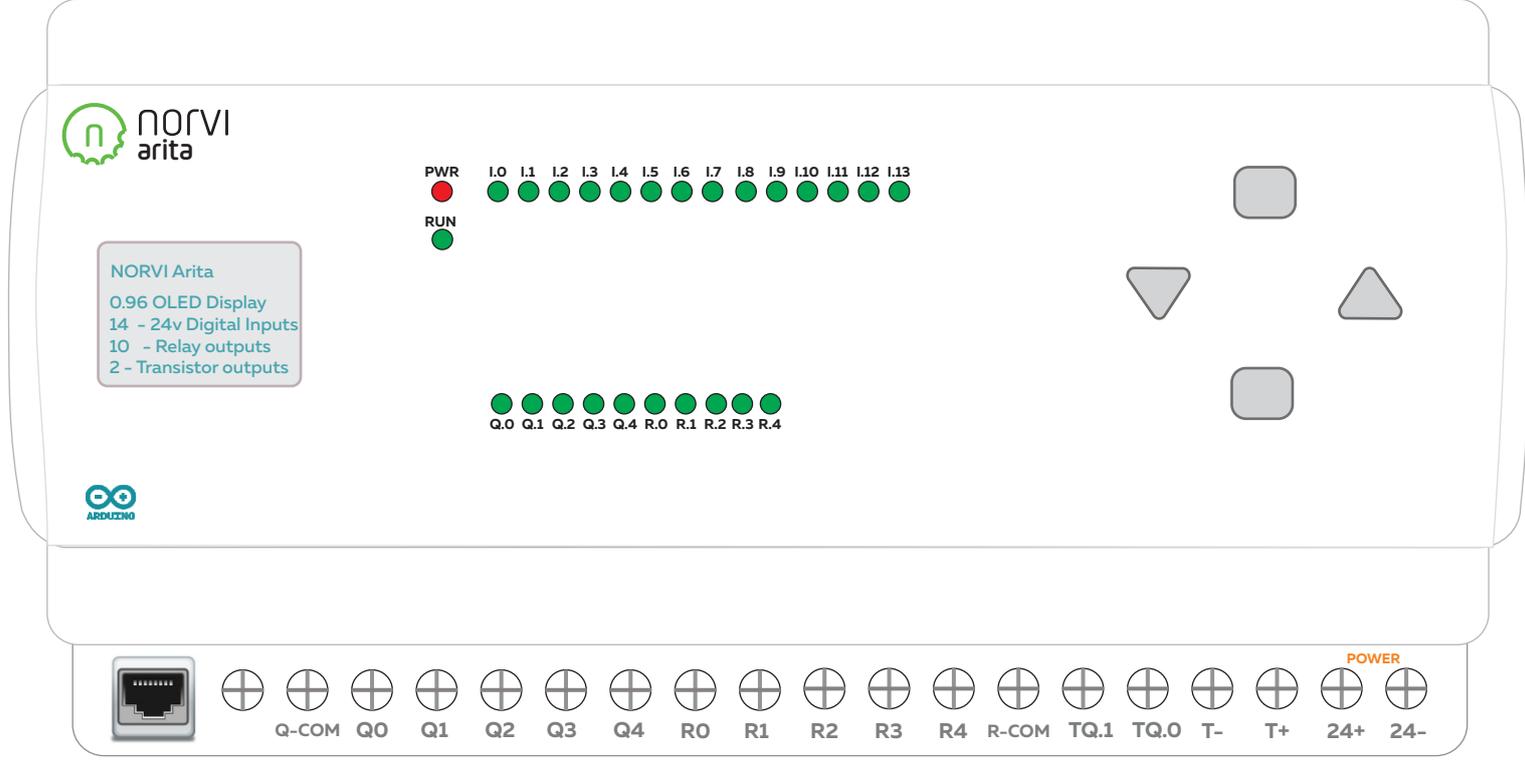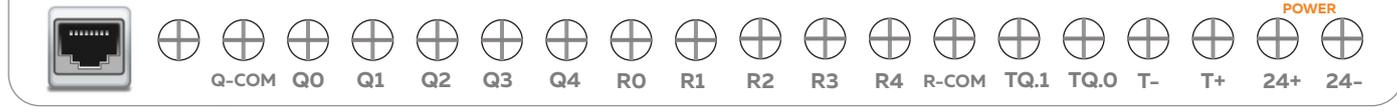
Ethernet and Wifi
Online monitoring

High speed transistors
For PWM or PULSE train outputs

SCADA System

Cloud servers

Contactors

Solenoid valves

Servo Drives

Features

Micro processor

ARDUINO **mega** 2560   ARDUINO *Maple* STMF103VCT6

Power supply characteristics

24V DC

Connection of the embedded IO

Connection is performed through fixed screw terminal blocks (at intervals of 5.08 mm/0.200 in.)

Digital Inputs

24V DC Sink Source configurable by changing the common line

Analog Inputs

Industrial Standard 0-10V DC / 4-20mA
ADS1115 16 bit ADC / Compatible with Arduino ADS1115 Library

Embedded communication

RS-485 Interface   WiFi ESP8266

Ethernet Connectivity

Storage

128Kb Built-in flash memory

Micro-SD Card support

Embedded display

128 x 64 OLED Display

Real Time Clock

Ds1307 RTC with Battery back-up for flash memory

Programming

Programmable with Arduino IDE

Miscellaneous features

Front panel 4 button keypad

LED Input/Output/ Communication Indicators

Variants

NORVI ARITA

mega 2560

Atmega 2560 Clocked at 16 Mhz
Ds1307 External RTC

Maple

STM32F103VCT6 Clocked at 72 Mhz
Internal RTC

Model 5

14 x Sink/Source Digital Inputs

10 x 2A Relay outputs

2 x   NPN Transistor outputs

1 x   RS-485 Communication

Model 6

OLED Display 0.96'

14 x Sink/Source Digital Inputs

10 x 2A Relay outputs

2 x   NPN Transistor outputs

1 x   RS-485 Communication

Model 7

OLED Display 0.96'

14 x Sink/Source Digital Inputs

10 x 2A Relay outputs

2 x   NPN Transistor outputs

1 x   RS-485 Communication

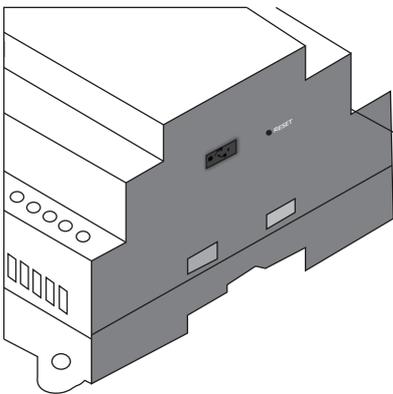2 x   Analog inputs 4-20mA

2 x   Analog inputs 0-10V DC

Model 8

OLED Display 0.96'

14 x Sink/Source Digital Inputs

10 x 2A Relay outputs

2 x   NPN Transistor outputs

1 x   RS-485 Communication

2 x   Analog inputs 4-20mA

2 x   Analog inputs 0-10V DC

W5500 Ethernet Connectivity

micro-SD Card support

Additions

ESP 8266 WIFI Module

NRF51822 Bluetooth Module

TESTED High EMI Environments
Industrial Temperatures

For further inquiries and tech support

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