

Digi Rail Efficiency



DigiRail NXprog Micro PLC in C/C++. Arduino compatible, I/O analog & digital signals



DigiRail Modbus IO Modules Data Acquisition



DigiRail OEE Intelligent I/O Module for Industrial Efficiency

If you are looking to automate, monitor or you just want to improve efficiency in your processing factory, then consider looking at DigiRails as a solution. These devices are designed for industrial environments, and the range locally stocked offers intelligent modules that handle data acquisition, control, and real-time performance monitoring, crucial for any Industry 4.0 and onwards.

The DigiRail Modbus I/O Module is ideal for collecting high-accuracy analog and digital signals from field sensors. It supports thermocouples, Pt100, mA, voltage and digital inputs, ensuring seamless communication with PLCs and SCADA systems via Modbus RTU. Its isolated inputs protect your equipment from ground loop interference, ensuring more reliable and stable sensor readings.

For more advanced control tasks, the DigiRail NXprog acts as a compact micro-PLC that combines the flexibility of Arduino programming with the durability as required in industrial automation. It includes digital and analog I/O, relay outputs, and supports USB, Ethernet, and RS485 communication. Whether you're automating tank levels, pump control, or even small process machines, NXprog offers powerful solutions, adapting easily to most system requirements.

For a smart I/O module focused on performance tracking, consider the DigiRail OEE. It collects machine data in real time and sends it to MES or cloud platforms using the MQTT protocol. It performs accurate, real-time monitoring of downtime, cycle times, and productivity, and eliminates the need for manual logging, thereby enhancing traceability, producing continuous process improvement.

Together, these DigiRail devices create a scalable, intelligent system to simplify automation, and increase efficiency for production.

Call us for more information on Digi Rails, we're bound to have a solution for you.

JHB Branch

Mimic Components, Address: 5 Ramsay Street, Booysens, 2091, Johannesburg. Switchboard: +27(0)11-689-5700 | WhatsApp: 071-979-9999
 PO Box 38493, Booysens, 2016, Johannesburg, South Africa. Email: info1@mimiccomponents.co.za | Website: www.mimiccomponents.co.za

Cape Branch

Mimic Cape. Address: Unit 41A, Stella Park, 57 Stella Road, Montague Gardens, 7441, Cape Town. Switchboard: +27(0)21-551-8185
 WhatsApp: 071-979-9999. Po Box 36955, Chempet, 7442, Cape Town, South Africa. Email: info@mimic-cape.co.za | Website: www.mimic-cape.co.za