# IOT PACKAGE FOR MACHINE PERFORMANCE

**daviteq**

SKU: IOTPK-MC1



IoT SOLUTION PACKAGE FOR MACHINE MONITORING
IOTPK-MC1

IOTPK-MC1-EN-H1.PNG

IoT package for machine performance is a comprehensive solution (hardware and software) which applies IoT technology to monitor machine or equipment operation. The IoT package is used for main, critical, complicated, and multi-parameter monitored machine, equipment, and production line:

- CNC, EDM, Plastic injection machine;
- Electronics pick and place machine, Thermal machine;
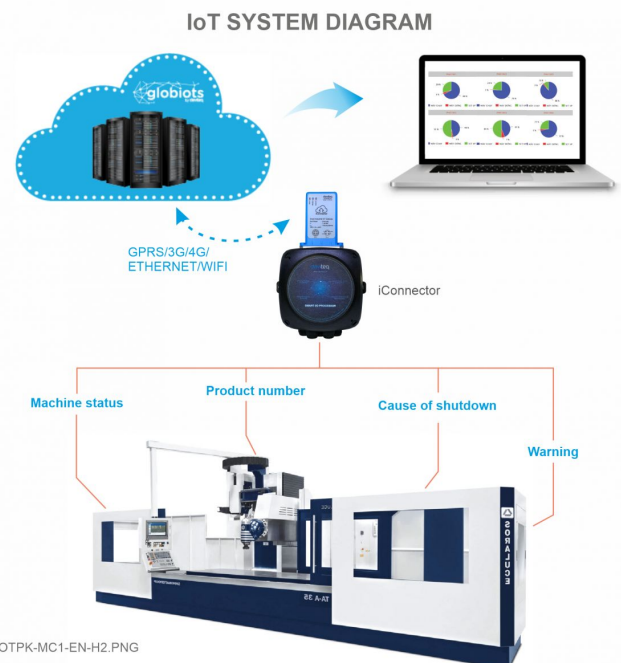- Aluminum/Plastic extrusion machine, Robot.

This package is applied in various industries as below:

- Precision engineering, Plastic, Rubber, Electronics;
- Automotive, Motorcycle, Machine building;
- Food and beverage, Chemical, Cement, Steel;
- Package, Construction material, Paper.

This package results in following benefits to end user:

- Heighten effectiveness of production monitoring;
- Reduce machine downtime;
- Facilitate to optimize production process;
- Promote factory brand name.

### ✓ VARIOUS MACHINE TYPE MONITORING
Different machine type from various manufacturer are integrated in one system

### ✓ EASY UPGRADE AND EXPANSION
The system could be upgraded functions, reports and expanded monitoring scope

### ✓ QUICK SYSTEM DEPLOYMENT
iConnector with integrated I/O module and remote configuration make system deployment simple

### ✓ INVESTMENT OPTIMIZATION
The solution packages are designed to optimize cost and suitable for monitoring from few to large number of machines

### ✓ CUSTOMIZED AND SPECIALIZED SOFTWARE
Software interfaces are friendly, specialized, and customized



IoT SYSTEM DIAGRAM

GPRS/3G/4G/ETHERNET/WIFI

iConnector

Machine status    Product number    Cause of shutdown    Warning

IOTPK-MC1-EN-H2.PNG

## SPECIFICATION

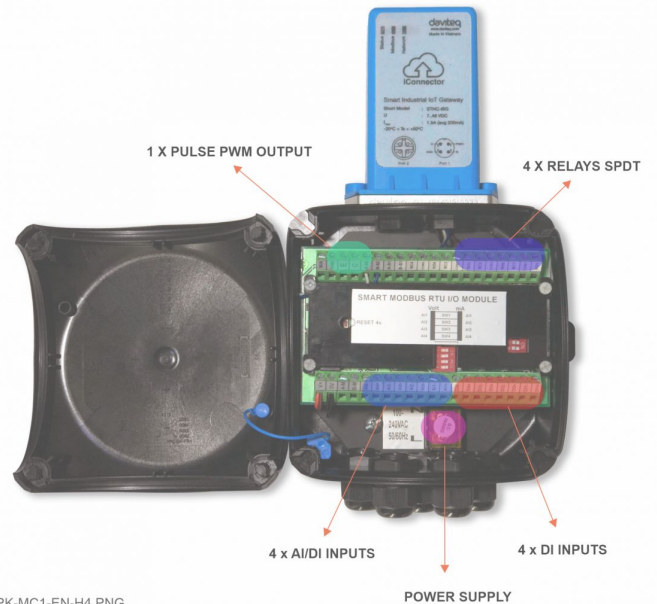| HARDWARE | |
| --- | --- |
| iConnector IoT gateway with integrated I/O module | For more details, please refer to SKU number is STHC-IO |
| Cloud Server | Daviteq's cloud server is suitable for monitoring from some parameters to some thousand parameters, operated and maintained by Daviteq's IoT system specialists, backup operation with high reliability. Daviteq offers cloud server as a yearly service. |
| SOFTWARE | |
| IoT Globiots software system | Collect and analyze data, visualize dashboard and report, notify alarm and event. Configure remotely system, iConnector, parameter, event, alarm, dashboard, report, and user authority. Send alarm, event by email. Push data to third-party software/application using API. Basic reports as below:<br>1. Current machine status report<br>2. Historical trend for machine status during selected period<br>3. Machine performance report during selected date, week, and month<br>4. Report for total hour of machine statuses during selected date, week, and month |

### iCONNECTOR WITH INTEGRATED I/O MODULE



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### INSIDE iCONNECTOR WITH INTEGRATED I/O MODULE



1 X PULSE PWM OUTPUT
4 X RELAYS SPDT
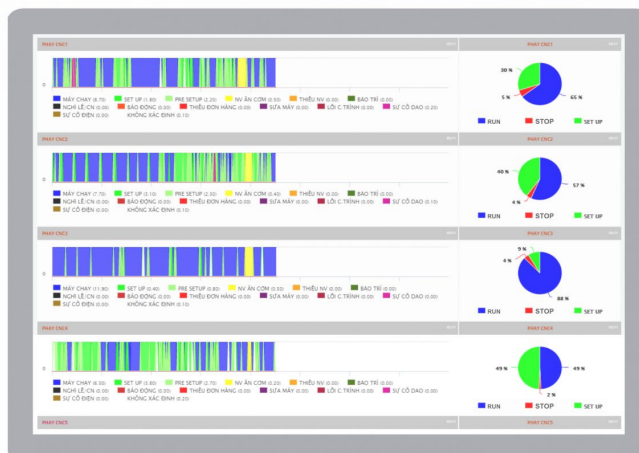4 x AI/DI INPUTS
4 x DI INPUTS
POWER SUPPLY

IOTPK-MC1-EN-H4.PNG
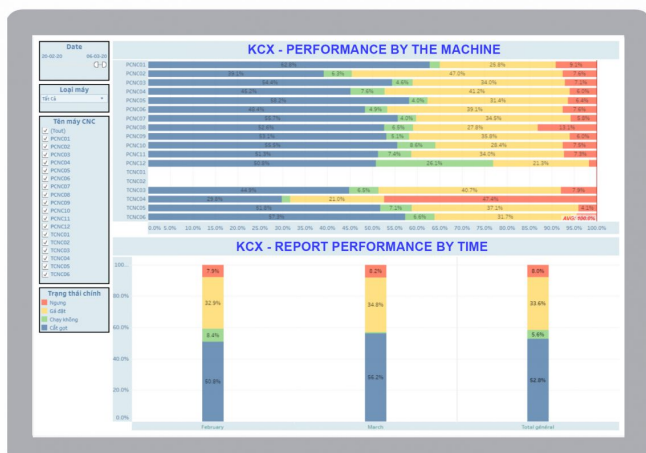
## MACHINE'S CURRENT STATUS REPORT



IOTPK-MC1-EN-H5.PNG

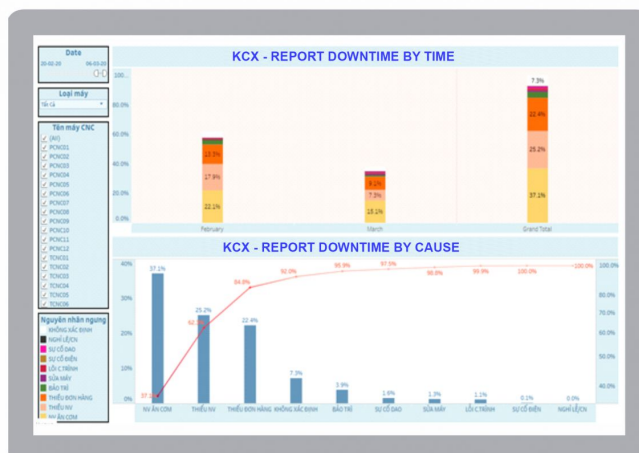## MACHINE STATUS HISTORICAL TREND



IOTPK-MC1-EN-H6.PNG

## MACHINE PERFORMANCE REPORT



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## MACHINE DOWNTIME CAUSES REPORT



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## ORDERING INFORMATION

| ITEM CODE | DESCRIPTION |
|---|---|
| IOTPK-MC1-01 | IoT package for machine peformance, 1 x 3G iCONNECTOR IoT GATEWAY with integrated I/O module, 01 year subscription for cloudGlobiots 10-parameter, NO SIM card |
| IOTPK-MC1-02 | IoT package for machine peformance, 1 x WiFi iCONNECTOR IoT GATEWAY with integrated I/O module, 01 year subscription for cloudGlobiots 10-parameter |
| IOTPK-MC1-03 | IoT package for machine peformance, 1 x Ethernet iCONNECTOR IoT GATEWAY with integrated I/O module, 01 year subscription for cloudGlobiots 10-parameter |