datalog ion

Quality, Cost Effective, Entry Level Integration

Cortech Developments

Mitigate Your Risk Through Quality, Cost Effective, Entry Level Integration

Cortech Developments, the specialist in risk mitigation for workplace safety, security and building efficiency has addressed a need within the market for a quality, affordable, entry level integration solution with the launch of the Datalog ion (input output network) module.

Operating in conjunction with Cortech Development's main software product (Datalog 5), the Datalog ion module offers a range of basic commands for the operation and management of a wide range of building, fire and security technology.

The Datalog ion's compact design combines with an optional robust outer case that comes preassembled and ready to fit with ease. The devices each provide a maximum four inputs and two relay outputs.

Datalog 5 monitors messages from the Datalog ion modules and creates alarms as required. Any faults or alarms reported from the Datalog ion module are raised on Datalog 5.

"We have identified a defined and growing market based on engagement and research. Organisations are increasingly looking at entry level integration solutions that mitigate risk, but without the cost of full integration. The Datalog ion is easy to install and provides an intuitive and cost effective solution for operating a wide range of technology either locally or remotely across multiple buildings and sites."

Gary Corbett, Director at Cortech Developments offers an insight into the development of Datalog ion

Smart Integration - Simple and Effective

Smart Integration needn't be complex or costly, if you are simply looking to invoke basic commands:

| Monitor Datalog ion module inputs as circuit alarms

| Switch Datalog ion module outputs

| Monitor for communication faults

Commands may involve the opening or closing of a door, the control of a camera, the monitoring of a fence zone or the switching of lights (on and off), amongst many others.

The Datalog ion module has four inputs which are configured in two modes (Digital and Monitored).

Digital – each of the inputs are independently configured to be digital inputs or monitored inputs and provide two Datalog input states of Secure and Alarm

Monitored – each of the inputs are independently configured to be digital inputs or monitored inputs. This provides four Datalog input states of Secure, Alarm, Tamper and Short Circuit.

Remote Monitor and Control of Technology with Fallback Capability

The use of the Datalog ion varies depending on the application and the nature of the technology operated across buildings, sites and even countries.   The devices provide an effective solution for integration with legacy equipment or when you wish to control technology that you can't or have no desire to achieve complex integration with. Entry level integration of this kind provides a cost effective alternative for organisations looking to meet regulatory requirements within a specific budget.

The Datalog ion has a voltage range of 12-30 volt making it an attractive proposition for fire and other 24 volt security applications, eliminating the requirement for an additional power supply. The product also incorporates its own unique identifier (within the communication protocol) which automatically updates once a connection is established.   This eliminates any risk of connecting to a different device in error.

Datalog 5 is able to identify a particular Datalog ion using two methods. This can be a 'Match Incoming IP Address and Mac Address' or just a 'Match Incoming Mac Address' only. This reduces the risk of IP spoofing techniques being used to compromise the system. It also provides identification where remote Datalog ion sites use a dynamic IP address, which could change at any time.

Product Excellence is Fundamental to Exceeding Expectations

In instances where communication to a primary IP address is not achieved, the Datalog ion offers fall back or migrating server capability, limiting any down time and cost.   The Datalog ion module expects to communicate with the primary IP address and only if no packets are received on this address, does it attempt to communicate with a secondary IP address. It continues to alternate between the two until a communication is established.

The Datalog ion joins the wider Datalog Product Family which includes Cortech's latest software version Datalog 5 and the recently released Datalog MV. The latter reduces the risk and cost associated with the management and operation of multiple CCTV systems.

Innovation forms an integral part of Cortech Developments long term product strategy.

"Product excellence and delivery is fundamental to exceeding the expectations of our customers. Whether the Development Programme relates to entry level or high level integration the template remains the same – our desire and focus is centred on quality that is aligned with our positioning as a high end provider of specialist software solutions. Datalog ion operates with our parent product Datalog 5 to provide a cost effective solution for entry level integration and this meets the need of an emerging market."

Mark Thomas, Sales Director at Cortech Developments

Specifications

Summary of features and benefits

| Quality, affordable, entry level integration

| Unique module identification

| Remote monitoring and control capability

| Migrating server – reduced down time

| Ease of installation

| Compact and robust design

| Monitors shorts, tampers, secure and alarm

| Monitors communication and alarm faults

| Reviews status of equipment

Hardware Specification:

| Supply voltage: 12-30 V d.c

| Number of contacts inputs: 4

| Number of relay outputs: 2

| Output relay ratings: Form C relay outputs rated at 3A 30VDC/125VAC

| Operating Power: 60mA @ 12V, 40mA @ 24V Relays de-energised. Relay operating current 15mA for each relay

| Operating Temperature: -40 to +80 degrees C. RH 95% i.e. non condensing

| Dimensions: 120mm x 65mm x 28mm

Contact

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