

# iQ-R

## Integrated modular controller

### Next level iQ Platform PLC

brings even more intelligence to plant control



Improved system performance



Increasing productivity & reducing TCO



Reducing engineering efforts & costs



Improved debugging & troubleshooting functions

# New all-in-one controller is even more intelligent!



iQ Platform enables total integration of control and communications

## Scalable platform

The iQ Platform enables total integration of control and communications from a single, highly scalable hardware platform, capable of handling anything from a handful of I/O up to several thousand. It can monitor or map all channels concurrently, which means that business functions can be integrated more effectively.

With the new iQ-R series, Mitsubishi Electric has brought even greater performance to the iQ Platform, delivering the ability to integrate sequence, motion and safety control (process, PC, CNC, robot\*) onto a single backplane with benchmark standards for processing power and synchronisation capability in even the most demanding automation environments.

\*Process, PC, CNC and robot CPU's will be released at a later date



Multiple CPUs on one backplane

## Next generation CPU

Mitsubishi Electric has launched its next generation CPU for the iQ Platform programmable automation controller (PAC). The new iQ-R series CPU offers dramatic improvements in performance, setting new benchmark standards for processing speed. This not only enables users to realise enhanced system designs, but also provides the basis for significant reduction in hardware costs. At the same time, the new iQ-R series offers reductions in development cost, maintenance cost and risk of system failure, while providing an innovative upgrade path that will enable users to take advantage of ongoing developments through software upgrades rather than hardware upgrades.

The iQ Platform builds on the power of Mitsubishi Electric's high performance PACs, complementing this with a broad range of control modules and network interfaces. This adaptable and powerful control platform enables companies to take a strategic approach to automation and control, allowing full integration of the plant floor operations within the business functions.

## Reduced total cost of ownership

Everything about the design of the iQ-R series has been focused on improving the value of equipment and enabling users to boost the quality of their products. Not only can users develop more sophisticated and better performing automation systems, but they can do so with reduced development cost and reduced ongoing maintenance costs. It delivers these benefits all the way through the manufacturing life-cycle, from initial specification and design of the PLC system, through programming and subsequent installation, to ongoing operation and maintenance, through to system improvements and upgrades of production lines and equipment.