



third generation door **CONTROLLER.**

Summary

The latest hardware platform from Impro Technologies is based on the success of previous hardware. The new (third generation) hardware has seen significant technology and feature advances. The versatile hardware platform offers flexibility, from plastic module housing to IPS (Integrated Power Supply) enclosures, to 19" rack mounted components, depending on user requirements. One hardware platform is sufficiently flexible to meet the needs of all market segments from residential to enterprise.

Functionality

The third generation hardware offers backwards compatibility and has been designed to interface with legacy Impro hardware via the RS485 Bus Connection or TCP/IP. A major memory upgrade has brought with it a 100 000 transaction buffer and support of up to 10 000 Tag Holders per CPU (Controller Processor Unit) Module.

Advance upgrades made to third generation hardware allow support of up to 16 readers, where previous generation hardware only allowed support of 2 readers per controller. This advancement will bring to significant cost savings.

Flexibility

System configuration options are endless, with up to 16 configurable Readers per Cluster Controller and 8 Reader Modules per CPU, with a mixture of Wiegand, Antenna and IO Modules configured to a single CPU. Though S-Bus and additional level of flexibility is achievable.

S-Bus is a proprietary protocol developed by Impro Technologies, it's a 2 wire secure protocol using AES 128bit encryption, supports bi-directional communication between Impro devices allowing Readers to be connected up to 150m from the controller.

end user
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