

nCIE PILOT™

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EN54-16 Control Processor

MediaMatrix®



Description

The MediaMatrix® nCIE PILOT™ is an industrial grade PC fully tested and certified to comply with stringent EN54-16 life safety standards. The robust embedded software platform is ideal for providing control and monitoring functions in both mission critical life safety systems and in demanding commercial roles.

It is designed to work in conjunction with the NION® series† of processors (also EN54-16 certified) and a host of 3rd party devices under the nWare® software suite which together form the heart and brains of the life safety VACIE system.

The nCIE PILOT strikes the ideal balance between energy efficiency, performance, versatility, and durability. The Intel Quad-Core N3150 Braswell Celeron processor consumes less than 6 Watts (for a total system wattage of less than 20 Watts) making it ideal for processor-intensive applications.

Built to last, the nCIE PILOT is enclosed in a ruggedized, fanless and ventless chassis that protects the system against the rigors of grueling environments. Where typical fanned solutions fail, the nCIE PILOT thrives thanks to the Hardshell Fanless Technology, which resists dust, metal shavings and other debris often found in industrial and other demanding environments.

The fully solid state design eliminates all typical points of mechanical failure with its fanless integrated chassis heatsink for optimal system cooling and SSD storage.

An optional 2RU rackmount adaptor is available allowing one or two PILOT's to be mounted for independent or redundant fail-over operation.

Features

- EN54-16 certified for life safety systems.
- Monitoring and control of NION® and all other 3rd party, EN54 certified networked devices within VACIE rack and system.
- Seamless integration within MediaMatrix® nWare™ software suite and supporting Web UI.
- Low profile, fanless, energy efficient green design.
- Quad-Core 1.6 GHz Braswell Intel Celeron N3150 SoC.
- Dual Gigabit Ethernet ports.
- 64 GB mSATA SSD storage.
- 4 GB DDR3L 1866 Memory (RAM).
- Fully featured I/O compliment for video and data connectivity.
- Fault-tolerant redundancy featuring automatic fail-over configuration.
- Support for SNMP, RANC and Python.
- Port dust blocking kit for unused connections.
- DIN, VESA and wall-mountable.
- Optional 2RU rackmount adaptor housing one or two nCIE PILOT units.



CPU and MEMORY

Processor:	Intel Celeron N3150 (Braswell)
Processor speed:	1.6 GHz Quad-Core
Graphics / GPU:	Intel HD Graphics
Memory:	DDR3L SO-DIMM (non-ECC) 4 GB
Storage:	64 GB mSATA SSD

FRONT I/O

USB:	2 USB 2.0 Ports (Type A)
Power:	Power button (defeated for EN54)

REAR I/O

USB:	4 USB 3.0 Ports (Type A)
Ethernet:	2 Gb LAN Ports
Video:	1 VGA Port, 1 HDMI Port
Audio:	2 1/8" Audio Jacks (Mic-in, Line-out) *

MECHANICAL

Wall Wart PS Input:	100-240VAC~1.0A, 50-60Hz @ 36W
Wall Wart PS Output:	12 VDC @ 3.0A
Dimensions:	W 7.7" (196mm) - D 8.4"(213mm) - H 1.45" (37mm)
Weight:	5 lb (2.2kg)
Operating Temp:	-5 to 55°C



Optional 2RU rackmount adaptor available separately.

Architect's & Engineer's Specifications

The control processing system shall be a low profile industrial package designed for fixed installation in engineered audio and communications systems certified to the EN54-16 life safety standard. The unit shall include an architecture based on an Intel Celeron Quad-Core processor. The unit shall be completely configurable via a Windows-based software utility, a web interface or directly, via a Windows interface provided by the unit. The Windows-based software utility shall also provide tools to allow integration with third-party control systems. Support shall be included for standard Ethernet management, including, but not limited to SNMP, via an integrated, rear-panel LAN port. The control processing system shall include an embedded Windows operating system. The operating system shall reside on mSATA SSD storage media. The storage system shall include support for reading/writing data from the operating system and configuration software. The control processing system shall include USB ports for direct control and configuration. All data transports, including Ethernet, shall be available simultaneously.

†Excluding the NION® nE

*Denotes feature currently unsupported