

Release Notes

nanodac™ recorder/controller



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1 Detail of changes

1.1 Changes in version 10.04

Release Date: April 2022

Security Updates:

None Identified.

New Features:

The number of supported Modbus TCP Master connections has been increased from 4 to 6 instances.

Items Resolved:

Ticket	Summary
NANO-53	Password expire parameter was displaying incorrectly when editing
NANO-192	Minimum password information updated in the user manual
NANO-200	TLS version 1.0 removed from detection
NANO-199	SSL medium strength cipher no longer supported (sweet32)
EXT-5767	DHCP address changes when power cycled

1.2 Changes in version 10.02

Release Date: November 2021

New Features: Maintenance release only

Security Updates:

Ticket	Summary
NANO-99	Addressed security vulnerability with EtherNet/IP, for further information refer to https://nvd.nist.gov/vuln/detail/CVE-2020-25159
NANO-185	Addressed Badalloc vulnerability with VxWorks 6.6, for further information refer to https://nvd.nist.gov/vuln/detail/CVE-2020-35198 and https://nvd.nist.gov/vuln/detail/CVE-2020-28895

Items Resolved:

Ticket	Summary
NANO-21	Fixed slow file transfer using FTP
NANO-89	Unencrypted communication in software application (http)
NANO-90	Weak authentication (http)
NANO-95	Weak password policy
NANO-117	Corrected unsuccessful loading of a clone file, where there is a mismatch between preferred master IP address in the target device and the PC deploying the clone file
NANO-131	Input Offset not updating when wired from a user value
NANO-143	Fixed issue where runtime parameters writes of the same value incorrectly generate an audit trail message
NANO-166	Corrected excessive fragmentation of FTP list entries causing broadcast storm

1.3 Changes in version 9.01

Release Date: September 2020

New Features:

The Auditor option has been enhanced to provide more flexibility when assigning user roles based on Supervisor or Engineer, this was restricted in previous versions. It is now possible to have more than one user based on Engineer or Supervisor access

Items Resolved:

Ticket	Summary
NANO-4	nanodac remote web server is affected by a cross-site scripting vulnerability
NANO-5	nanodac webserver security default should be On
NANO-7	Corrected a typo in system message "corrupt or wrongly formatted media"
NANO-12	Corrected "Note" fields not being cleared automatically
NANO-35	Clone file rendering instrument unusable

1.4 Changes in version 8.19

Release Date: April 2020

New Features: Maintenance release only

Items Resolved:

Ticket	Summary
Controller/recorder#3563	Historical trend not working on web server.
Controller/recorder#3564	VxWorks IP vulnerability patch introduced in V8.16, breaking EtherNet/IP multicast
Controller/recorder#3572	Corrected incorrect OEM status preventing saving of a configuration

1.5 Changes in version 8.16

Release Date: January 2020

New Features:

In line with cybersecurity enhancements, the nanodac will upon first power up, force the user to enter a password for the Engineer account. Until the password is created the nanodac will be in lockdown and Ethernet communications are disabled. In addition, FTP server functionality will be disabled with no password and will remain disabled until a password is added. Once entered, the unit will start as normal. However, Engineer will be the only account enabled. Operator and Supervisor accounts will be disabled until they also have passwords created.

Security updates:

Ticket	Summary
Controller/recorder#3542	Vxworks URGENT/11 vulnerabilities: CVE-2019-12256, CVE-2019-12255, CVE-2019-12263, CVE-2019-12257, CVE-2019-12258, CVE-2019-12262, CVE-2019-12264, CVE-2019-12259

Items Resolved:

Ticket	Summary
Controller/recorder#3546	Low occurrence archiver task crash

1.6 Changes in version 8.14

Release Date: August 2019

New Features:

Maintenance release only

Items Resolved:

Ticket	Summary
Controller/recorder#3534	Addressed the inverted polarity of the LCD driver clock, which potentially causes screen corruption.