# **AUDIOVIDEOSUPPL**

### IP Access Controllers NAV Series

## **EFC301**

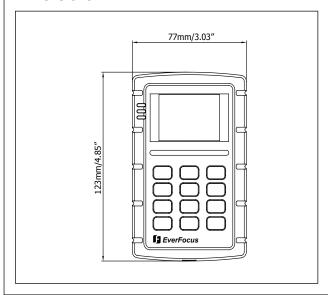
NAV Series TCP/IP Standalone Network Access Controller



#### **Features**

- Network access is based on CAT-5, which can be used for communication (10M/100M Ethernet) and Power over Ethernet (POE)
- Mainstream web browser is used to access remote equipment and perform control and administration; no additional software is required
- SSL ensures secure web browser access
- Supports multiple languages including English and Chinese
- Supports online system upgrade
- Manages up to 100, 000 cards, and 1 million event log entries
- Supports 2, 048 control groups
- 10 time segments can be managed per day, with a minimum interval of 1
- 3 types of data types may be configured for up to 384 date configurations
- Supports real-time event logging
- Support door access by multiple cards
- Feature-rich management functions: Capable of conducting access administration based on time, date, location, and cardholder's access privileges.
- Powerful alarm connectivity functions for the ARM/DISARM of controlled areas; the triggering of a fire alarm will effect controls to the appropriate door areas, which provides convenient connectivity

#### **Dimensions**



#### **Specifications**

Alarm In general alarm)  Alarm Outputs 1 Channel for alarm outputs  Groups 2048  Programmable Time Intervals  Programmable Dates 3 types available with up to 384 types of date configurations  Door Access Modes 3 types  Multiple Card Access Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  Card Password 8 Characters  System Password 8 Characters  ARM/DISARM Password 8 Characters  Expiration of Card YES  Automatic Daylight Savings Time Anti-Passback N/A  Power Failure Protection YES	Operating System	Embedded Linux
Processor  32-bit RISC CPU200MHz  Memory  512MNAND Flash, 64MDDR SDRAM  Communications Interface  Max. Users  100,000  Max. Log Entries  1 million  Controllable Doors  Reading Distance  Read,Write Time Data Format Prequency Reploard  Alarm In  Alarm In  Alarm Outputs  Brogrammable Time Intervals  Programmable Dates  Door Access Modes  Multiple Card Access  Card Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time Anti-Passback Anti-Passback Anti-Passback Anti-Passback Power Failure Protection  100,000  100,0	Web-Based Functions	Supports configuration, monitoring and management
Memory 512MNAND Flash, 64MDDR SDRAM Communications Interface Max. Users 100,000 Max. Log Entries 1 million Controllable Doors Reading Distance Read, Write Time Data Format Frequency Reploard Incompany Reploard	Database	Built-in
Communications Interface  Max. Users  100,000  Max. Log Entries  1 million  Controllable Doors  Reading Distance  Read, Write Time  Data Format  Frequency  Reyboard  LCD  Backlit, 4x8 Chinese, 4x16 English/Russian  1 Channel of Alarm Input (may be configured as fire or general alarm)  Alarm Outputs  Groups  Programmable Time Intervals  Door Access Modes  Multiple Card Access  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time Anti-Passback Progre Indicate In	Processor	32-bit RISC CPU200MHz
Interface  Max. Users  Max. Log Intries  Controllable Doors  Reading Distance Reading Distance Ready Write Time Data Format RFID, maximum 64 bits RFID, ma	Memory	512MNAND Flash, 64MDDR SDRAM
Max. Log Entries 1 million Controllable Doors 1 door Reading Distance 5 - 12cm Reading Distance 200ms Data Format RFID, maximum 64 bits Frequency RFID card, 125kHz Keyboard 3x4, backlit LCD Backlit, 4x8 Chinese, 4x16 English/Russian 1 Channel of Alarm Input (may be configured as fire or general alarm) Alarm In general alarm) Alarm Outputs 1 Channel for alarm outputs Groups 2048 Programmable Time Intervals 10 intervals per day with 1 minute minimum per interval roor Access Modes 3 types Multiple Card Access Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards Card Password 8 Characters System Password 8 Characters ARM/DISARM Password 8 Characters ARM/DISARM 8 Characters Expiration of Card Automatic Daylight Savings Time Anti-Passback N/A Power Failure Protection YES		10/100MB Ethernet
Controllable Doors Reading Distance Reading Distance Read, Write Time Data Format Frequency RFID, maximum 64 bits Frequency RFID card, 125kHz Keyboard LCD Backlit, 4x8 Chinese, 4x16 English/Russian 1 Channel of Alarm Input (may be configured as fire or general alarm) Alarm In Alarm Outputs 1 Channel for alarm outputs Groups Programmable Time Intervals Programmable Dates Door Access Modes Multiple Card Access Card Password System Password ARM/DISARM Password Expiration of Card Automatic Daylight Savings Time Anti-Passback Anti-Passback Power Failure Protection READ JOMES  ARFID, maximum 64 bits PRID card, 215kHz Automatic Daylight Savings Time Anti-Passback N/A Power Failure Protection	Max. Users	100,000
Reading Distance Read, Write Time Data Format RFID, maximum 64 bits RFID card, 125kHz Reyboard REFID card, 125kHz Reyboard RFID card, 125kHz REFID card, 125kHz RFID card, 125	Max. Log Entries	1 million
Rend, Write Time Data Format RFID, maximum 64 bits Frequency RFID card, 125kHz Keyboard LCD Backlit, 4x8 Chinese, 4x16 English/Russian 1 Channel of Alarm Input (may be configured as fire or general alarm) Alarm Outputs 1 Channel for alarm outputs Groups Programmable Time Intervals Programmable Dates Door Access Modes Multiple Card Access Card Password System Password ARM/DISARM Password Expiration of Card Automatic Daylight Savings Time Anti-Passback Program a RFID card, 125kHz RFID card, 125k	Controllable Doors	1 door
Rend, Write Time Data Format RFID, maximum 64 bits Frequency RFID card, 125kHz Keyboard LCD Backlit, 4x8 Chinese, 4x16 English/Russian 1 Channel of Alarm Input (may be configured as fire or general alarm) Alarm Outputs 1 Channel for alarm outputs Groups Programmable Time Intervals Programmable Dates Door Access Modes Multiple Card Access Card Password System Password ARM/DISARM Password Expiration of Card Automatic Daylight Savings Time Anti-Passback Program a RFID card, 125kHz RFID card, 125k	Reading Distance	5 - 12cm
Frequency RFID card, 125kHz Keyboard Sax4, backlit LCD Backlit, 4x8 Chinese, 4x16 English/Russian 1 Channel of Alarm Input (may be configured as fire or general alarm) Alarm Outputs 1 Channel for alarm outputs Groups 2048 Programmable Time Intervals Programmable Dates Door Access Modes Multiple Card Access Card Password Card Password System Password ARM/DISARM Password Expiration of Card Automatic Daylight Savings Time Anti-Passback Prodram In general alarm, 1 Channel for alarm outputs 2 O48 1 Channel for alarm outputs 2 O48 1 Channel for alarm outputs 2 O48 2 O	Read/Write Time	200ms
Keyboard  LCD  Backlit, 4x8 Chinese, 4x16 English/Russian  1 Channel of Alarm Input (may be configured as fire or general alarm)  Alarm In  Alarm Outputs  Groups  Programmable Time Intervals  Programmable Dates  Door Access Modes  Multiple Card Access  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback  Pi Channel of Alarm Input (may be configured as fire or general alarm)  1 Channel for alarm outputs  2048  10 intervals per day with 1 minute minimum per interval as types of date configurations  3 types available with up to 384 types of date configurations  3 types  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  8 Characters  YES  Automatic Daylight Savings Time  Anti-Passback  N/A  Power Failure Protection	Data Format	RFID, maximum 64 bits
Keyboard  LCD  Backlit, 4x8 Chinese, 4x16 English/Russian  1 Channel of Alarm Input (may be configured as fire or general alarm)  Alarm In  Alarm Outputs  Groups  Programmable Time Intervals  Programmable Dates  Door Access Modes  Multiple Card Access  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback  Pi Channel of Alarm Input (may be configured as fire or general alarm)  1 Channel for alarm outputs  2048  10 intervals per day with 1 minute minimum per interval as types of date configurations  3 types available with up to 384 types of date configurations  3 types  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  8 Characters  YES  Automatic Daylight Savings Time  Anti-Passback  N/A  Power Failure Protection	Frequency	RFID card, 125kHz
LCD Backlit, 4x8 Chinese, 4x16 English/Russian  1 Channel of Alarm Input (may be configured as fire or general alarm)  Alarm Outputs 1 Channel for alarm outputs  Groups 2048  Programmable Time Intervals 10 intervals per day with 1 minute minimum per interval configurations  Door Access Modes 3 types  Multiple Card Access Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  Card Password 8 Characters  System Password 8 Characters  ARM/DISARM Password 8 Characters  Expiration of Card Automatic Daylight Savings Time Anti-Passback N/A  Power Failure Protection YES	_ ' '	•
Alarm In  Alarm Outputs  Groups  Programmable Time Intervals  Door Access Modes  Multiple Card Access  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback  Anti-Passback  Pidanus  1 Channel of Alarm Input (may be configured as fire or general alarm)  1 Channel for alarm outputs  1 Channel for alarm outputs  1 Channel for alarm outputs  2 O48  1 Ointervals per day with 1 minute minimum per interval as types of date configurations  3 types available with up to 384 types of date configurations  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  4 Characters  8 Characters  4 Characters  8 Characters  9 CART OF CART		
Groups   2048	Alarm In	1 Channel of Alarm Input (may be configured as fire or general alarm)
Programmable Time Intervals  Programmable Dates  Door Access Modes  Multiple Card Access  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback  Anti-Passback  Programmable Dates  3 types  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  System Password  8 Characters  YES  Automatic Daylight Savings Time  Anti-Passback  N/A  Power Failure Protection	Alarm Outputs	1 Channel for alarm outputs
Intervals  Programmable Dates  Door Access Modes  Multiple Card Access  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback  Programmable Dates  3 types  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  8 Characters  YES  Automatic Daylight Savings Time  Anti-Passback  N/A  Power Failure Protection	Groups	2048
Programmable Dates  Door Access Modes  Multiple Card Access  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback  Power Failure Protection  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  YES  YES  N/A	"	10 intervals per day with 1 minute minimum per interval
Multiple Card Access  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  Card Password  8 Characters  System Password  8 Characters  ARM/DISARM  Password  Expiration of Card  Automatic Daylight  Savings Time  Anti-Passback  Power Failure  Protection  Supports 4x4 lock levels, with a multiple-card access configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  YES  Arti-Passback  N/A  YES	Programmable Dates	, ,,
Card Password  Card Password  System Password  ARM/DISARM Password  Expiration of Card  Automatic Daylight Savings Time  Anti-Passback Power Failure Protection  Card Access  configuration of up to 4 Groups x 4 cards  8 Characters  8 Characters  YES  YES  Anti-Passback N/A  YES	Door Access Modes	3 types
System Password 8 Characters  ARM/DISARM 8 Characters  Expiration of Card YES  Automatic Daylight Savings Time  Anti-Passback N/A  Power Failure Protection YES	Multiple Card Access	
ARM/DISARM Password Expiration of Card Automatic Daylight Savings Time Anti-Passback Power Failure Protection  R Characters  8 Characters YES N/A YES YES	Card Password	8 Characters
Password 8 Characters  Expiration of Card YES  Automatic Daylight YES  Anti-Passback N/A  Power Failure  Protection YES	System Password	8 Characters
Automatic Daylight Savings Time  Anti-Passback N/A Power Failure Protection  YES	, -	8 Characters
Savings Time  Anti-Passback  Power Failure  Protection  YES  YES  YES	Expiration of Card	YES
Power Failure Protection  YES	, ,	YES
Protection YES	Anti-Passback	N/A
		YES
Real Time Clock YES	Real Time Clock	YES
Tamper-Proof Switch YES, normally close	Tamper-Proof Switch	YES, normally close
Max. Alarm Relay 4A Current	Max. Alarm Relay	,
Max. Door Relay Current 4A	Max. Door Relay	4A
Power < 10W		< 10W
Voltage Supplied by POE or DC12V±15%		
Current 1A		
Temperature -10°C~+50°C		
Dimensions (L x W x H) 123 x 77 x 27mm/4.85" x 3.03" x 1.06"		
223 X / / X 2/11111/ 1.03 X 3.03 X 1.00	Difficialoria (E X W X II)	125 X / / X 2 / IIIII J 1.05 X 5.05 X 1.00

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<sup>\*</sup> All product specifications are based on existing products and are subject to change without notice.