ACTpro 1500 / ACTpro 1520 / ACTpro 1500 PoE

Single Door IP Controller

Introduction:

ACTpro 1500 is a single door IP Controller and includes a dual port Ethernet switch. The controller supports 60,000 users and includes a rich set of advanced features, including voltage monitoring and break glass monitoring. The ACTpro controllers are ideal for a single door system or systems that need to grow up to 4,000 doors.

ACTpro-1500

ACTpro-1520

ACTpro-1500PoE

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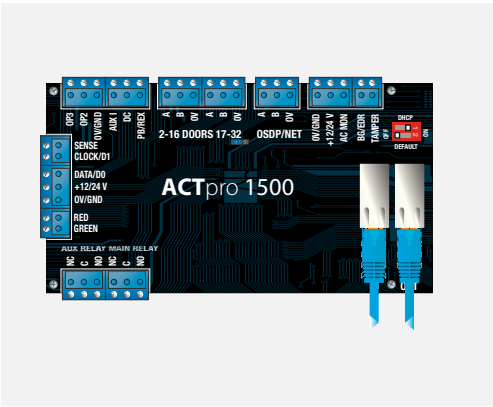
Single Door IP Controller

Features:

- Dual port Ethernet switch, allows for a max of 4 hubbed controllers
- 60,000 Users (4 credentials and one PIN code per user)
- 2,000 User groups (firmware version 1.08 or later required)
- Compatible with all ACTpro systems
- Mains present (Line voltage) Monitoring
- Emergency Door Release(EDR)/break glass Monitoring or Deadbolt monitoring (FW 1.09.06 or later required)
- Tamper monitoring
- Faults reported in ACT Enterprise software
- Anti-Passback
- Fire Override
- Airlock/Interlock
- Arm/Disarm intruder Panel
- IO module support (ACT-IOM)
- Elevator Control with ACTpro-IOM (maximum 96 floors)
- TCP / IP - DHCP / Static IP addresses
- Extra rights and door plans included
- Status LED's
- Space in the enclosure for cable management
- Supports door station technology up to 32 doors per Controller
- Compatible with all ACT readers
- Vanderbilt OSDP readers including secure communications using 128bit AES encryption
- Support for HID OSDP readers
- ASSA Aperio Wireless locks Version 2 and Version 3 locks
- Whitelisted cards
- Support for deadbolt/lockbolt monitoring
- Motorized night lock
- Bluetooth mobile credential support via OSDP or Wiegand bluetooth readers



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Certifications:

ACTpro-1500 & ACTpro-1500PoE

This equipment type is in compliance with the following EU Directives for CE marking:

- Directive 2014/30/EU (Electromagnetic Compatibility Directive)
- Directive 2011/65/EU (Restriction of the use of certain hazardous substances Directive)

Declaration of conformity available at: **http://van.fyi?Link=DoC**

ACTpro-1520

This equipment type is in compliance with the following EU Directives for CE marking:

- Directive 2014/30/EU (Electromagnetic Compatibility Directive)
- Directive 2014/35/EU (Low Voltage Directive)
- Directive 2011/65/EU (Restriction of the use of certain hazardous substances Directive)

Declaration of conformity available at: **http://van.fyi?Link=DoC**

CE

Download manual from: **http://van.fyi?Link=ACTpro-1500**

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Product Capabilities	ACTpro 1500 family
Users	60,000
Cards Per User	4
User Groups	2,000
Doors On Controller	1
Extra Rights (Requires ACT Enterprise pro)	Yes
Door Plan (Requires ACT Enterprise pro)	Yes
Log Events	20,000
Door Monitoring (Door Forced/Ajar)	Yes
Local and Global Anti-passback (controllers must be on the same routable network)	Yes
Fire Alarm Override	Yes
Airlock/Interlock	Yes
Arm/Disarm intruder panel	Yes
Integration with SPC (Requires ACT Enterprise pro)	Yes
IO Module Support	Yes
Elevator Control	Yes
Voltage Monitoring	Yes
Battery Monitoring	Yes
Break Glass Monitoring	Yes
Tamper Monitoring	Yes
PSU	No
Ethernet Ports (maximum of 4 controller on hub network)	2
DHCP/Static IP address	Yes
NetBIOS Name	Yes
Entry Exit Readers	Yes (multiple up to 500mA)
Time Actions	Yes
Toggle/Latch	Yes
Card only or PIN only	Yes
Card and PIN	Yes
Twin User	Yes
Validity period	Yes
Unlock configured doors on fire input	Yes
Muster reporting on Software or Android iOS Mobile app	Yes (App available on ACT Enterprise pro only)
Door Relay Output*	5 Amp
Auxiliary Relay Output*	1 Amp
Programmable Input AUXI (Interlock, Fire override, Alarm monitoring)	1
Inputs	Door Contact(DC), Push Button (PB/REX), AC Monitoring, Emergency Door Release (BG/EDR), Tamper
Programmable Outputs (OP2, OP3)	2 (100mA)
ACT Door Station support (RS485)	Yes (31 Door Stations)
Aperio Locks supported per controller	16
Support RS485 Hubbed controllers	Yes
Support TCP/IP Connected controllers	Yes
Warranty	3 Years
OSDP support for Vanderbilt and HID OSDP readers	Yes
Supports ACTpro Readers	Yes
Supports 3rd Party Wiegand Readers	Yes
Supports 3rd Party C&D Readers	Yes
Support for ASSA Aperio Wireless Locks	Yes
12-24 Volt DC Supply Voltage	Yes
Unlock doors on first access	Yes
Whitelisted cards	Yes
Automatic user lockout for 5 minutes after 5 failed PIN code attempts (Card and PIN mode)	Yes

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Product/Technical Specificaiton:	ACTpro-1500	ACTpro-1520	ACTpro-1500 PoE
Vanderbilt Material Number	V54502-C111-A100	V54502-C110-A100	V54502-C112-A100
Harmonized System (HS)	84715000	84715000	84715000
Input Voltage Range (Controller)	9-28V DC	9-28V DC	9-28V DC
Current Consumption (Controller)	350mA (Max)	350mA (Max)	350mA (Max)
Operating Environment	Surface mounting, Internal Use only	Surface mounting, Internal Use only	Surface mounting, Internal Use only
Environmental Temperature	-10 to +55° C	-10 to +55° C	-10 to +40 (operating) 75% RH non-condensing
Gross Product Weight (Kg) 0.62 1.14 3.06	0.62	1.14	3.06
NET Product Weight (Kg)	0.52	0.975	2.84
Size (mm) W x L x D	236 x 165 x 55mm	236 x 255 x 84	355 x305 x95
RoHS	Yes	Yes	Yes
Reach	Yes	Yes	Yes
WEEE	Yes	Yes	Yes
Enclosure Material ABS, gray ABS, gray 1.2 mm steel gray powder coated	ABS, Gray	ABS, Gray	1.2 mm steel gray powder coated
LED Status Indicators	Yes	Yes	Yes
PSU Fault Output	N/A	No	Yes
Lid opening tamper detection (front)	Yes	Yes	Yes
Rear tamper detection No No Yes	No	No	Yes
MTBF	200,000 hr	200,000 hr	50,000 hr

*Relay Load

When used with inductive loads (Maglock/Strike locks) the following rating apply for:

- Main Relay: 1.5A @ 30VDC or 1.5A @ 50VAC
- Aux Relay: 400mA @ 30VDC

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Electrical Specification:	ACTpro-1500	ACTpro-1520	ACTpro-1520PoE
PoE 802.3bt input (PoE Ultra / PoE++)	N/A	N/A	13.8V at 3A output + 0.5A battery charge
PoE 802.3at input (PoE+)	N/A	N/A	13.8V at 1A output + 0.5A battery charge
PoE 802.3af input (PoE)	N/A	N/A	13.8V at 0.3A output + 0.5A battery charge
Battery charging	N/A	Yes	Yes
Standby Battery	N/A	12V 7AHr Battery	12V 7AHr Battery
Battery Protections	N/A	Deep Discharge/Over Charge/ Reverse Polarity	Yes
Battery Current	N/A	~0.5A for a battery discharged to ~10V	N/A
Input: Input Voltage	N/A	230VAC +/- 10%	N/A
Input: Frequency	N/A	47-53Hz	N/A
Input: Mains input fuse	N/A	625mA 250V anti-surge fuse	N/A
Output: Voltage	N/A	13.65V (+/-5%)	13.8V
Output: Max load current	N/A	1.5A @ 25°C plus 0.5A for battery charging	PoE, PoE+ and PoE++
Output: Load output fuse	N/A	2A PTC Resettable Fuse	N/A
AC Mains Monitoring	Yes	Yes	Yes

Ordering Information:

Product Code	Material Number	EAN Number	Description
ACTpro-1500	V54502-C111-A100	7330082004539	Single door IP Controller
ACTpro-1520	V54502-C110-A100	7330082004522	Single door IP Controller with 2Amp 12V DC PSU
ACTpro-1500PoE	V54502-C112-A100	7330082004553	Single door IP Controller with PoE++ PSU
ACTpro-IOM	V54506-B100-A100	7330082004546	IO Module (8 Inputs and 8 Outputs)
ACTpro-100	V54502-C120-A100	7330082004553	ACTpro-100 Door Station
ACTpro-120	V54502-C122-A100	7330082005321	ACTpro-120 Door Station with 2Amp 12V DC PSU

Data and design subject to change without notice.

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