

INTUS ACM Access Control Manager

# INTUS ACM

- + Fast Access Control Managers complete with security package, encryption, integrated firewall and multi-level password system
- + Configurable and programmable
- + Reader and door power supply from the Access Control Manager
- + Individually optically decoupled inputs for powerful failure protection
- + Tamper contact, fire and burglar alarm system interfaces

Access Control Manager  
Building Management



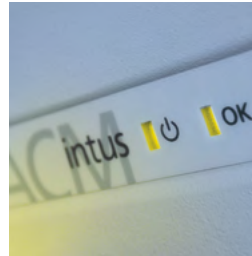
Intelligence on every level.

INTUS ACM from PCS.

As the control center for an access control system, the Access Control Manager is equipped with a powerful computer and integrated with a security system based on distributed intelligence. Supplied with variable master data from a central host, the Access Control Manager uses predefined time/area profiles to decide whether a door is to be opened or to stay closed. Even if the network connection to the host fails, the Access Control Manager reliably controls the connected access readers, the doors with their monitoring contacts, the barriers and turnstiles or the attached video recorder. Decentralized intelligence for powerful failure protection. For your security.



INTUS ACM80e Rack with patch panel



*Access Control.*

Powerful and flexible –

but still simple.



INTUS ACM80e Wall



INTUS ACM Access Control Managers are state of the art systems that keep on working reliably even if in continuous operation for years on end. The models from the INTUS ACM80e and INTUS ACM40 series offer optimum performance scalability: from two to sixteen doors, rotating barriers or turnstiles, from 12,000 up to 99,999 master records and bookings. The powerful 400 MHz ARM9 G45 CPU in the INTUS ACM80e models controls the 16 connected access readers reliably and extremely fast even if complex programs or massive number of data are used. And of course the ACM supports the connection of any type of PCS access reader, including RFID, chipcard and biometric terminals. Also, the INTUS ACM features „Easy Addressing“ for simple plug & play installation: just connect point-to-point, and the ACM will automatically detect all the readers. It doesn't get any simpler than that.

INTUS

# ACM

## Three-fold security for maximum protection.

All the INTUS ACM Access Control Managers from PCS are equipped with a full security package to protect your sensitive access data:

- An embedded firewall protects the access system against attacks from the internal corporate network.
- Data encryption to the host and access readers prevents unauthorized monitoring on the lines.
- A three-level password system for remote set-up and maintenance defines detailed change privileges for different user groups.

The Access Control Managers are equipped with alarm interfaces for vandalism and provide a burglar alarm system interface. Multiple integrated test functions facilitate installation and reduce the service and maintenance times. All the inputs are individually optically decoupled. Even if a reader fails due to a voltage surge on the feeder line, all the other readers will keep on working. INTUS ACM, the Access Control Managers from PCS: extraordinarily reliable, extremely secure and exceedingly fast. That's how access control works.



INTUS ACM80e Rack with patch panel



INTUS ACM80e Rack

PoE





## Technical Specifications:

### INTUS ACM series.

# ACM



	INTUS ACM40	INTUS ACM80e Wall	INTUS ACM80e Rack
Connectable doors (max.)	4	16	16
Connectable readers (standard) upgradeable to	2 4	4 8 or 16	8 16
Reader interface	RS485 individually optically decoupled or Wiegand	RS485 individually optically decoupled	RS485 individually optically decoupled
Master records <sup>1</sup>	12,000 - 33,000	26,000 - 99,999	26,000 - 99,999
Bookings <sup>1</sup>	11,500 - 30,000	24,000 - 161,000	24,000 - 161,000
Integrated power supply reader	for up to 4 reader	for up to 16 reader	for up to 16 reader
Integrated power supply door opener	12 V / 0.9 A	12 V / 3.3 A 24 V / 1.8 A	12 V / 3.3 A 24 V / 1.8 A
Interfaces (alarms, burglar alarm system, etc.)	4 inputs (optically decoupled) 1 bistable relay 2 switching relays	4 inputs (optically decoupled) 1 bistable relay 3 switching relays	4 inputs (optically decoupled) 1 bistable relay 3 switching relays
Emergency power supply (accu)	Integrated (optional) for 4h / 2,500 operations	Via external UPS	Via external UPS
Digital input (DI) for frame contact, door opener contact	8 (individually optically decoupled)	16 (individually optically decoupled)	16 (individually optically decoupled)
Digital output (DO) for door opener	4 (switching relays)	16 (switching relays)	16 (switching relays)
Installation	Wall-mounted device	Wall-mounted device	19" rack-mounted device, 2 height units (HU)
Cabling	Screw-type terminals	Screw-type terminals	RJ45
Host interface (standard) upgradeable to	10/100BaseT V.24 / RS485	10/100BaseT	10/100BaseT
CPU	ARM9 / 200 MHz	ARM9 G45 / 400 MHz	ARM9 G45 / 400 MHz
Memory (standard) upgradeable to	1 MByte 2 MByte	2 MByte 6 or 10 MByte	2 MByte 6 or 10 MByte
Power supply (max.)	230 V interference-proof industrial power supply unit, optional: 12V (SELV)	115 ... 230 V interference-proof industrial power supply unit	115 ... 230 V interference-proof industrial power supply unit
Weight	6.5 kg (with accu: 8.4 kg)	6.4 kg	4.1 kg
Dimensions (HxWxD) in mm	255x369x64 255x420x90 (with accu)	336x551x100	90x438x300

<sup>1</sup> Sample calculations for TPI-Tasc with access control.

#### Connectable INTUS devices

- Access readers INTUS 315ro, INTUS 340H/350H, INTUS 400, INTUS 500, INTUS 600, INTUS 640H, INTUS 700
- Subterminal INTUS 1600
- INTUS long-range reader (via LBus)
- Fingerprint reader INTUS 600FP
- Palm vein authentication INTUS PS, INTUS 1600PS

#### Identification reader technologies

- RFID (Mifare, Hitag, Legic)
- Fingerprint
- Palm vein authentication
- Barcode
- Additional readers on request

#### Software

- Embedded Linux with RT expansion
- Remote configuration
- Data encryption
- Configurable in TPI, programmable in TCL

#### Standards: CE compliant

Technical specifications subject to change without notice.

INTUS terminals include software developed by the OPEN SSL project for use in the OpenSSL Toolkit (<http://www.openssl.org>) and cryptographic software written by Eric Young ([ey@cryptosoft.com](mailto:ey@cryptosoft.com)).

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