



# Technical Fiche: SynApp

The SynApp or “Syntegro Applicatie carrier” is a complete Embedded access control CIP-Controller in a DIN-T housing. All Software is embedded present..



## Product en technical Specifications

### Product Overview

OS/DB Software	Linux Operating System (Embedded)
	Syntegro Relational Database (Embedded)
	Web 2.0 Webservice (Embedded)
	Scripting tool for flexibility
Application Software	SynGuard <sup>E</sup> software for access control
	SynGuard <sup>E</sup> Visitor: voor bezoekers registratie
User Interface	Web browser over TCP/IP
Communication	SSL Encryption for a 100% secured communication
Software	Online software updates (via Syntegro FTP site)

### Technische Specifications

Housing	DIN-T housing		
	Material housing	PPO (UL 94 V-0)	
	Material frontpanel	PC (UL 94 V-0)	
	Protection	IP 10	
	Temperature	Store -20° C tot + 60° C	
		In use: 0° C tot +50° C	



Power Suply	Relatif humidity	10% tot 90% (not-condensing)
	Relatif humidity	10% per hour
	Input Voltage	11 - 28VDC
	Power connection	Via print-edge (both sites)
		Via screw connection on top
	Typical power consumpcion	2,2 W to max. 8 W
	Protection circuits	Max current (fuse)
Max Voltage		
Inverted power connection		
User interface	20 x 4 character LCD Display with auto power savings	
	4 buttons (up, down, left, right)	
	Pwer supply LED	
Communication	Common RS485 bus – Power Supply (print-edges).	
	RS485 + power supply via screw connecter	
	1 x USB 1.1 type A with max. sink of 500mA current	
	1 x USB internal for future extentions	
Inputs & outputs	10/100BaseT RJ-45 Ethernet connector	
	2 relais outputs (max. 30VA, max. 2A, max. 30VAC)	
	2 open collector transistor (max. sink 150mA/output)	
	2 digital inputs (5V with internal pull-up)	
	Tamper	
CPU Module	312 MHz PXA processor	
	64 MB SDRAM / 64 MB Flash disk	
	Memory extentions via MMC or USB	
Extra functions	Temperature sensor	
	Real-time clock with battery backup	
	Internal TFT interface	



Dimensions

Syntegro DIN housing: DIN-T 9 modules

B: 159 mm x H: 90 mm x D: 58 mm

