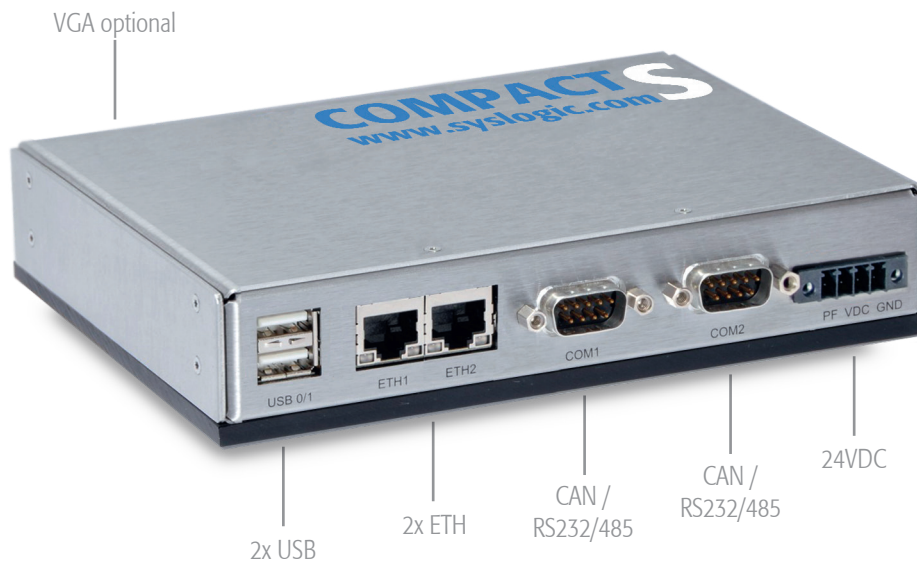


Embedded Computer

COMPACT-S Series

Embedded compact computer with Vortex86DX2 processor



IPC/COMPACT41

This fan less COMPACT41-S generation is based on the Vortex86DX2 processor technology and offers a wide range of interface options.

The robust and uncompromising industrial design allows implementation in the most demanding applications and warrants long term availability.

- **Low Power**
- **24/7 continuous operation**
- **Intelligent power management system**
- **Ext. temperature range on component level**
- **Long term availability**

 Windows Embedded Standard 2009

 Windows Embedded Compact 7

 Windows Embedded CE 6.0



Product Highlights

Watchdog
Temperature supervision
Operating temperature -40...+70°C
Real Time Clock
Persistent Flash BIOS
Goldcap instead of Battery backup
ESD- protection on all interfaces
No active cooling required
No moving parts

Product Feature

Vortex86DX2 processor
up to 800MHz
RAM on Board
Socket for CFast / SD
Ethernet, USB, RS232 / RS422 / RS485
Isolated CAN
Stainless steel housing

Markets / Applications

Industrial Automation
Railway industry
Transportation and vehicle construction
Cleantech
Maritime
PLC replacement

Processor / Performance

Vortex86DX2 800MHz	•	•	•	•
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Memory

32kB L1 cache (16kB instruction / 16kB data)	•	•	•	•
256kB L2 cache	•	•	•	•
512MB DDR2 SDRAM ¹	optional	optional	optional	optional
1GB DDR2 SDRAM	•	•	•	•

Features

Real time clock PC compatible	•	•	•	•
Watchdog	•	•	•	•
Temperature supervisor	•	•	•	•
Intelligent power management	•	•	•	•
Battery backup		•		
Goldcap backup	•		•	•

Interfaces

VGA (DSUB15HD) up to 1280x1024	1	1	1	1
Socket for CFast	1	1	1	1
Socket for SD Card	1			
USB version 2.0	2	2	2	2
USB version 2.0 ²	2	2	2	2
Ethernet (ETH1) 10/100Mbit	1	1	1	1
Ethernet (ETH2) 10/100/1000Mbit (Intel 82574)	1	1	1	1
RS232 ESD protected (DSUB9)				2
RS232 ESD protected ²	3	4	2	2
RS422 / RS485 ESD protected, isolated (DSUB9)	1		2	
CAN version 2.0b, SJA1000, ESD protected, isolated (DSUB9)	1	2		
PS/2 Keyboard interface ²	1	1	1	1
I2C bus ²	1	1	1	1
LPT Parallel printer port ²	1			
PC/104 bus ²	1	1	1	1
HD Audio / Speaker ²	1		1	

Technical Data

Dimensions w169 x h31 x d127mm	•	•	•	•
Net weight in gram	~550	~550	~550	~550
Input Voltage 9 ... 30VDC non-isolated	•	•	•	•
Current consumption typ. in mA @ 24V without Add-Ins	~375	~420	~375	~375
Power consumption typ. in Watts @ 24V without Add-Ins	9	10	9	9

Environmental Conditions

Standard operating temperature (ambient) -40°C ... +70°C	•	•	•	•
Storage temperature -40 ... +85° C	•	•	•	•
Protection standard: IP40	•	•	•	•
Shock: designed to meet EN60068-2-27	•	•	•	•
Vibration: designed to meet EN60068-2-64	•	•	•	•
EMI-Conformity EN-61000-6-2/61000-6-4, EN-55022/55024, EN50121-3-2	•	•	•	•
MTBF ~250 000h @ 25°C (28.5 Years)	•	•	•	•

Optional enhancement cards

IPC/WLB (Wireless Module with UMTS / GPS / WiFi / BT)	optional	optional	optional	optional
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¹ Please contact factory for minimum order quantities.² On internal connector