

◆ Features

Atom 1.6GHz, N270 without fan
Intel 945GSE Chipset
2GB DDR2
2x LAN / 4x USB 2.0 / Audio
2x RS232, 2x RS232/422/485, LPT Port
Compact Flash Adapter / HDD Space
1 x PCI Expansion Slot, 1 x miniPCIe Socket
Power Input 16V-30V



Dimensions 195 x 200 x 81mm

DACHS-RT PAC

for control and fieldbus solutions running QNX 6.x or Real-Time Linux

◆ Overview

The really small, robust and powerful embedded system! Fan less, ultra High Performance, Low Power Consumption, Professional construction inside! Best solution for Programmable Automation Controllers (PAC), Networking and Multimedia

◆ Chassis

Construction full size Aluminium
Mounting configuration DIN Rail
Filter no
Cooling system passive heatsink, fanless
LED indicator Power on/off in front ,
HDD/CF access
Expansion slot 1 x PCI Expansion Slot
1 x miniPCIe Socket
Dimensions 195 x 200 x 81mm
Power switch in front

◆ Hardware

Processor Atom 1.6GHz
CPU socket N270
Front side BUS 533 MHz
BIOS Award
Chipset Intel 945GSE

◆ Memory

Memory type 2 GB DDR2
Memory socket 1 x SoDIMM DDR2
400/533

◆ Hard disk drive

HDD 2.5' 250 GB / 24x7 SATA

◆ Video

VGA controller embedded in Chipset
Intel 945GSE
BUS 4x AGP internal in chipset
Video RAM up to 64MB dynamic video
memory
Interface VGA
Resolutions up to 1600 x 1200/16bit

◆ Integrated Devices

IDE optional 2.5 HDD S-ATA
FDD no
CD-ROM/DVD no
Compact Flash, external CF card socket
Optional 512MB, 1GB, 2GB, 4GB, 8GB
Compact Flash Card
PCMCIA no
DiskonChip no
Specials one antenna hole for optional
miniPCIe WIFI module
Watch dog Timer
Programmable watchdog timer, 1-63 sec.
Real Time clock standard
Keyboard/Mouse PS/2 connector for
Keyboard and Mouse

◆ **Connectivity**

LAN 2 x RJ45, Giga LAN
supports PXE Boot from LAN
USB 4 x USB 2.0
supports boot function from USB
IEEE 1394 no
VGA 1 x 15-pin connector
Com Ports total 2 x DSUB 9 male,
2 x screw terminal block
Com Port Modi 2 x RS232 and
2 x RS232/422/485
LPT 1 x DSUB 25 connector
Audio 1 x Speaker out
TV-out no

◆ **Power supply**

external Power Adapter optional (65W)
Power input DC 16-30V

◆ **Power consumption**

average system only NN
with power supply NN

◆ **Environment**

Operating Temp. -5°C - 55°C
Storage Temp. -20°-+80°C

Hardware and Software Options:

◆ **RTOS pre-installed**

QNX 6.4.x or Real-Time **Linux** Kernel 2.6

◆ **DACHSview -RT (SoftPLC)**

SoftPLC for
QNX6.4.x / 6.5.x and Real-Time Linux

◆ **Controller Boards incl. QNX or Real-Time Linux Software for standard Fieldbuses**

Ethernet fieldbuses w/o controller board:

EtherCAT
Ethernet Powerlink (Real-Time Linux)
Modbus TCP

PCI fieldbus controllers:

PROFIBUS-DP (Master/Slave)
PROFINET (Controller / Device)
INTERBUS (Master)
Ethernet Powerlink (MN/CN)
CAN
CANopen

◆ **Ordering Information**

Product Name

DACHS-RT PAC NTO (for QNX6.x)
DACHS-RT PAC LNX (for Linux)

Packing list DACHS-RT PAC Embedded

System incl. the preinstalled soft- and hardware, specified by the order
CD, English documentation

07/2010