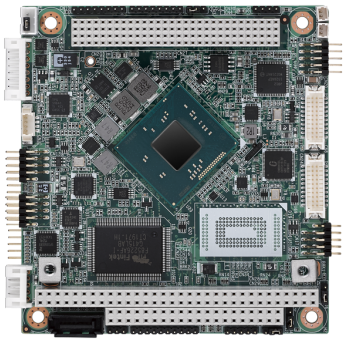
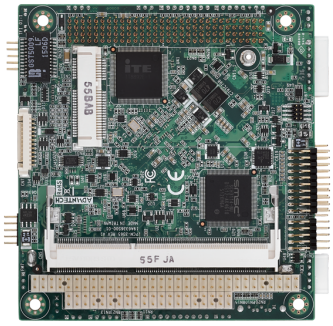
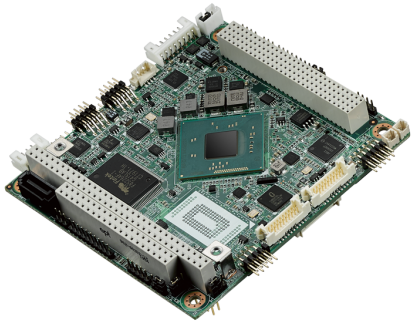
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Source URL: https://www.emacinc.com/content/pcm-3365

PCM-3365







Intel® Atom™ E3825/E3845 or Celeron® N2930

Up to 8GB DDR3L 1066/1333MHz SODIMM

1x RS-232/422/485 & 2x RS-232

6x USB 2.0 Ports

1x 10/100/1000 Base-T header.

1x SATA & 1x mSATA(mSATA shared with optional onboard flash)

VGA, LVDS & HDMI/DVI-D (optional cable for HDMI/DVI-D)

1x 8-bit GPIO

AMI UEFI BIOS at 64 Mb

Multi-Display: VGA + LVDS, HDMI/DVI+ LVDS, VGA + HDMI/DVI

1x Full-size mSATA (with SATA and USB interface, shared with onboard flash, optionally configured as PCIe slot at build time)

Watchdog timer: Output System Reset, Programmable counter from 1 ~ 255 minutes/ seconds

Power Requirement: Single +5V DC ± 5% power input

Operating Temperature: 0 ~ 60°C (32 ~ 140°F)

Optional Operating Temperature: -40 ~ 85°C (-40 ~ 185°F)

Operating Humidity: 40°C @ 95% RH Non-Condensing

Storage Temperature: Storage temperature: -40~85°C

Storage Humidity: Relative humidity: 95% @ 60°C RH Non-Condensing

Dimensions: 96 x 90 mm (3.8 x 3.5 inches)

Height: Top side: 14.4mm (N2930, E3825 standard), 19.4mm (E3845 & E3825 extend temp.); Bottom side:7.8mm, PCB: 1.6mm

Weight: 0.735 kg (reference weight of total package)

PCM-3365 is PC/104-Plus form factor (96 x 90 mm) and powered by the latest generation of Intel® Celeron® N2930 and Atom™ E3825/E3845 processors which have low power features but also good computing performance, especially for multimedia capabilities compared to earlier generations. PCM-3365 offers flexible expansion possibilities: one full-size mini PCIe, PC/104, PCI-104, and various capacities of onboard flash by request. PCM-3365 supports multiple display interfaces including HDMI/DVI, VGA, and 24-bit LVDS, and rich I/O: 1 x GbE, SATA, 3 x Serial Ports, 6 x USB 2.0 and mSATA, onboard flash by request.

Specifications

SBC Type:

Single Board Computers > 1 GHz

Processor

Processor:

Intel® Atom™ E3825 E3845 or Celeron® N2930

Clock Speed:

1.91 GHz

Real Time Clock:

Processor Misc.:

Intel® Atom™ E3800 Product Family/Celeron® N2000 Series SoC Processor

N2930: Quad core 1.83 Ghz/ 7.5W

E3845: Quad Core 1.91 GHz/ 10W

E3825: Dual Core 1.33 GHz/ 8W

Memory

BIOS/ Bootloader:

AMI UEFI BIOS at 64 Mb

Primary Flash:
onboard Flash up to 64GB
Secondary Flash:
mSATA flash shared with onboard flash

Primary I/O

GPIO:
18x GPIO
Disk Interface:
SATA
Video Out:
VGA
LVDS
and HDMI/DVI (requires optional cable)
Ethernet:
Intel I210 10/100/1000Mbps
USB:
6x USB2.0
Serial Ports:
3x COM (1x RS232/422/485 & 2x RS232)
Watchdog:

Secondary I/O

LPT Port:
Keypad:
PS/2:

Expansion

Bus Misc.:
PC/104 PC/104 Expansion, Memory and DMA are not supported

PCI-104 PCI-104 Expansion

Analog

A/D:
D/A:

Dimensions

Dimensions:
3.8 × 3.5 × 0.75 in
Weight:
0.735 kg
Form Factor:
PC/104+
Dimensions Misc.:
Top side: 14.4mm (N2930, E3825 standard), 19.4mm (E3845 & E3825 extend temp.); Bottom side:7.8mm, PCB: 1.6mm

Power Requirements

Voltage:
5 V
Power Misc.:
Power Supply Voltage 5V ± 5%

Power Consumption (Typical) E3825: 0.877A@+5V, 0.006A@+12V, 0.003A@+5VSB (4.472W)

E3845: 0.923@+5V, 0.007A@+12V, 0.004A@+5VSB (4.719W)

N2930: 0.866A@+5V, 0.006A@+12V, 0.003A@+5VSB (4.417W)

Power Consumption (Max, test in HCT) E3825: 1.107A@+5V, 0.008A@+12V, 0.008A@+5VSB (5.671W)

E3845: 1.493@+5V, 0.008A@+12V, 0.025A@+5VSB (7.686W)

N2930: 1.331A@+5V, 0.009A@+12V, 0.016A@+5VSB (6.843W)

Environmental

Low Operating Temperature:
0 C
High Operating Temperature:
60 C
Upper Operating Humidity:
95%
Environmental Misc.:
Optional Operating Temperature: -40 ~ 85°C (-40 ~ 185°F)

Operating Humidity: 40°C @ 95% RH Non-Condensing

Storage Temperature: Storage temperature: -40~85°C

Storage Humidity: Relative humidity: 95% @ 60°C RH Non-Condensing

Pricing

PCM-3365E-S3
PCM-3365E-S3A1E, E3825 2x1.33GHz, SODIMM, mSATA, 3x COM, 6x USB2, 1x GbE, VGA, LVDS ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote.
$372.00
Order:
0
Parent Product:

PCM-3365EW-S3
PCM-3365EW-S3A1E, E3825 2x1.33GHz, SODIMM, mSATA, 3x COM, 6x USB2, 1x GbE, VGA, LVDS (-40° to 85°C) ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote.
$412.00
Order:
0
Parent Product:

PCM-3365EW-S9
PCM-3365EW-S9A1E, E3845 4x1.91GHz, SODIMM, mSATA, 3x COM, 6x USB2, 1x GbE, VGA, LVDS (-40° to 85°C) ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote.
$460.00
Order:

0
Parent Product:

PCM-3365N-S8
PCM-3365N-S8A1E, N2930 4x1.83GHz, SODIMM, mSATA, 3x COM, 6x USB2, 1x GbE, VGA, LVDS ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote.
$399.00
Order:
0
Parent Product:

Memory:
SKU: PER-RAM-00160
PER-RAM-00160
$25.00
Product State:
Testing
Variations:
2GB DDR3L 1.35V SODIMM
Status: Active
Call for Price:
SKU: PER-RAM-00165
PER-RAM-00165
$35.00
Product State:
Final
Variations:
2GB DDR3L 1.35V SODIMM (Industrial Temp -40 to 85C)
Status: Active
Call for Price:

Source URL: https://www.emacinc.com/content/pcm-3365