

Programmable Embedded Controller with Intel® Atom™ N2600



Features

- **Less Cable, Fanless Design**
- Rich I/O including 6 x COM, DIO, 4 x USB, 2 x LAN
- Outside-viewable LED for Power/HDD/COM/DIO
- Outside-accessible CFast socket
- DIN-rail mount support
- Rugged design for shock/vibration protection
- Easy installation/maintenance

System

CPU	Soldered onboard Intel® Atom™ N2600 2x1.6GHz processor, 3,5 Watt only
Memory	Soldered onboard 2GB DDR3 SDRAM
Chipset	Intel® NM10
Graphics	Integrated Intel® GMA3650
ATA	1 x Serial ATA port at 300MB/s HDD transfer rate
LAN Chipset	2 x Realtek 8111 GbE controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2 x RS-232 ports in terminal block
	4 x RS-232/485 configurable ports in terminal block
USB Port	4 x USB 2.0 ports
LAN	2 x RJ-45 ports
Video Port	1 x DB-15 female connector for Analog RGB
DIO Port	1 x 8-bit digital I/O, 4-in and 4-out, in terminal block
Expansion Bus	1 x Mini-card slot interconnected with SIM card socket for optional WiFi or HSUPA module
	1 x Mini PCIe slot

Environmental

Operating Temp.	-10 ~ 60°C (14 ~ 140°F), ambient w/ air flow
Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
Relative Humidity	10 ~ 90% @ 60°C (non-condensing)
Vibration	3 Grms, 5~500Hz, random operation
Shock	Operating 40G (11ms), Non-operating 80G with CF/SSD

Qualification

Certification	CE, FCC Class A
----------------------	-----------------

Power Requirement

Power Input	DC 9~36V input (w/ 1 x 2-pin DC input terminal block)
--------------------	---

Power Consumption	12W (Typical.)
--------------------------	----------------

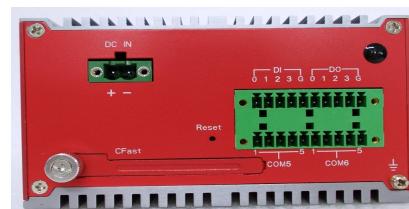
Storage

Type	1 x 2.5" drive bay for HDD/SSD
	1 x outside-accessible CFast socket

Mechanical

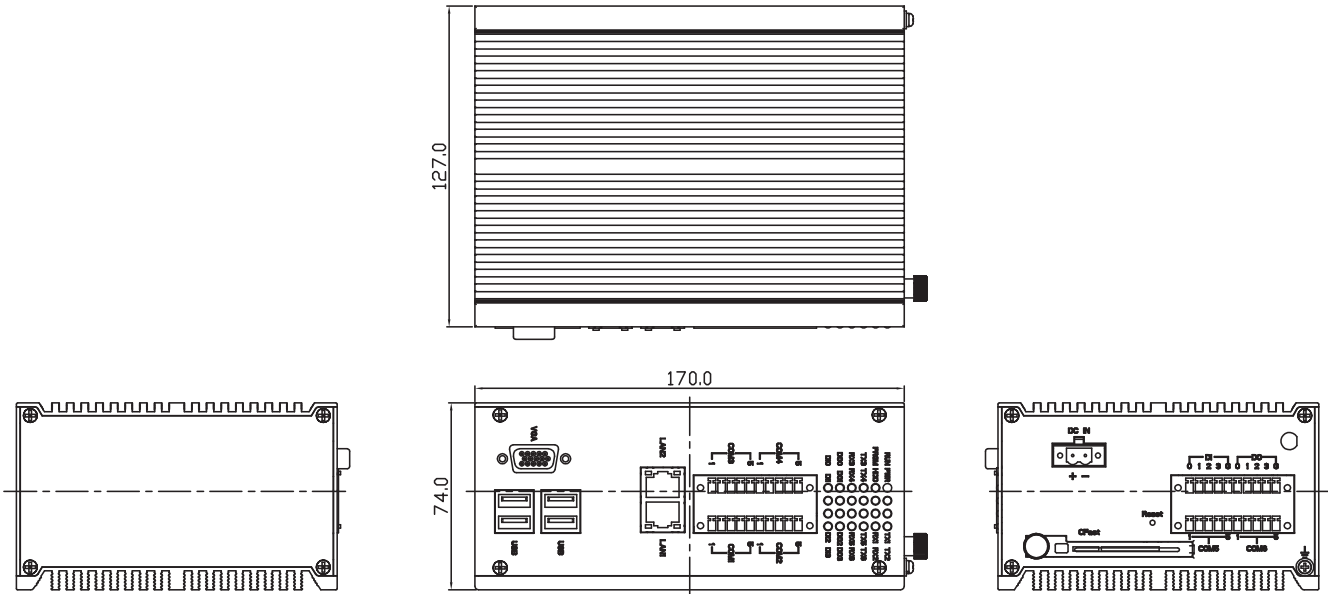
Construction	Whole Aluminum chassis
Mounting	DIN-rail mount
Weight	1.4 kg (2.4 lb) (Barebone)
Dimensions (W x D x H)	170 x 127 x 74 mm (6.69" x 4.9" x 2.91")

Ordering Information



BPC-300-AR5423C

Dimensions



Optional Accessories

PAC-B065W-1	19V/3.4A 65W AC/DC adapter kit	
-------------	--------------------------------	--

Optional Configuration (CTOS* Kit)

SSD-25032	Memoright 2.5" 32GB SATAII SSD Kit	
HSPA-SI1400	HSUPA 3.75G module kit & internal wiring	
WIFI-IN1300	Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring	
ANT-D11	1 x WiFi Dual-band 2.4G/5G antenna	
ANT-H11	1 x 2dBi HSUPA antenna	

*CTOS means *Configure-to-Order Service*.

» Example of AR5423 mounted on DIN rail

