

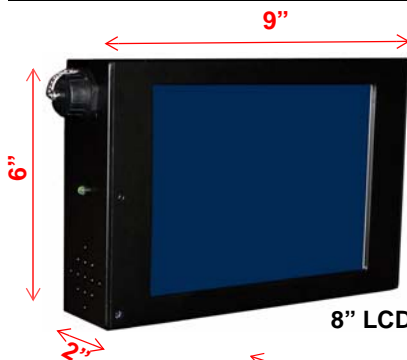
# MONOBRICK PC SYSTEM

**Ideal for Low-Cost Integrated Fleet Management.**

- Brick PC small form factor (11"L x 6"W x 2"H shown. Length varies per configuration.)
- 8.4" LCD Touchscreen Monitor (9"L x 6"W x 2"H)
- Computer and Monitor connected with a single cable
- Power up to 6 peripheral modules directly from the computer
- Combine all applications in one PC or integrate into a distributed system
- Open Architecture runs all PC operating systems and programs
- Ultra-low 9.5-20VDC Power Input (<20W typical)
- Built-in Transient Protection and Power Management (*Patent Pending*)
- Intel® Atom based processors and chipsets
- I/O connectors configurable per custom specification

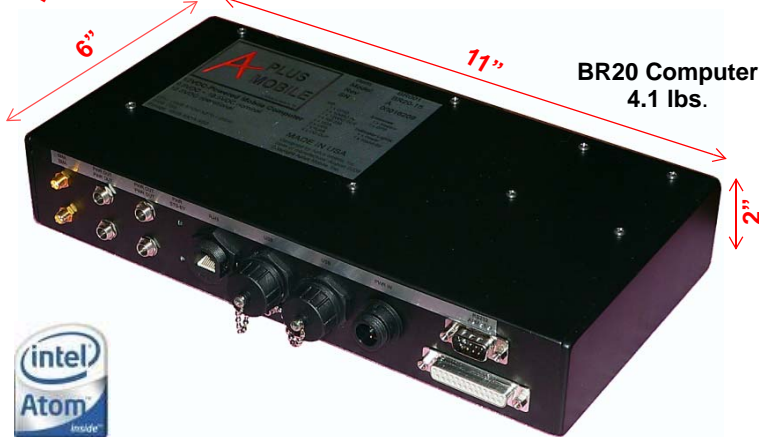
## Typical Configuration:

- 1 x 8-bit GPIO
- 1 x INPUT PWR
- 4 x 12VDC OUT
- 1 x RS-232
- 1 x VGA
- 2 x USB
- 1 x Ethernet
- 1 x GPS (optional)
- 1 x Cell Modem (optional)
- 1 x CAN-bus (optional)



## Sealed Metal Monitor & Computer System

8" LCD Touchscreen Monitor  
3.5 lbs.



BR20 Computer  
4.1 lbs.

- **Equipment Powered:** 9.5-20VDC with internal transient protection and power management (*Patent Pending*)
- **Sealed Aluminum Chassis:** Eliminate contaminant ingestion of dust, debris and water
- **Standard Personal Computer:** Tested to run all PC Operating Systems, Programs and Peripherals
- **Extended Capability:** Intel® Atom based processor and touchscreen user interface. Incorporate internal WiFi, internal Cell Modem, internal GPS and much more
- **USA Based Design and Manufacture**
- For more information and to download the User Manual, visit [www.AplusMobile.com](http://www.AplusMobile.com)

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# BR20 SYSTEM

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Sales@AplusMobile.com  
CAGE Code: 4P1Q1

## Specifications

- **Capability:** Open Architecture so it will run all currently available PC operating systems, applications and peripherals which enables the BR20 System to replace or upgrade existing equipment
- **Power Efficiency:** Draws less than 20W of power; powered by the raw 12VDC bus. No power infrastructure upgrades necessary.
- **Reliability:** The BR20 System is sealed and passively cooled to prevent contaminant ingestion of dust or water, the leading cause of field deployed computer and monitor failures; Internal power management system (*Patent Pending*) provides immunity to power transients and brownouts; based on Intel® chipsets and related components.
- **Flexible Form Factor:** Computer remotely mounted from monitor and other peripherals for maximum flexibility.
- **Display Solution:** Sealed touchscreen monitor is powered and controlled by the PC.
- **Typical Dimensions:** 11"L x 6"W x 2"H (Computer), 9"L x 6"W x 2"H (Monitor)
- **Typical Weight:** 4.1lbs (Computer), 3.5lbs (Monitor)
- **Temperature:** 0°C to 60°C standard, extended temperature range available
- **User Manual:** Available at [www.AplusMobile.com](http://www.AplusMobile.com)

### Standard I/O\*:

- 1 x 8-bit GPIO
- 1 x INPUT PWR
- 4 x 12VDC OUT
- 1 x RS-232
- 1 x VGA
- 2 x USB
- 1 x Ethernet

\*I/O configurable per specification

BR20 System Standard Configuration..... MSRP \$2,570	
Monitor	8.4" LCD Touchscreen Monitor (LED Backlight)
Processor	Intel® Atom N270 processor 1.6GHz
Chipset	Intel® 945GSE & ICH7M
System Memory	2GB DDR2 SO-DIMM SDRAM
XVGA video	Integrated Intel® GMA 950 graphics
Onboard CF Slot	1 x 2GB CF type-II
Onboard Audio	Intel® ICH7-M with Realtek ALC888 7.1CH HD Audio
Onboard LAN	1 x Intel® 82574L Gigabit Ethernet
Voltage Input	Universal 9.5-20VDC nominal line
Typical Power Consumption	<20W
Onboard CF Slot	1 x 2GB CF type-II
Extended Interface	1 x Mini-PCI socket available
Onboard SATA HD	1 x 16GB Solid State Harddrive

BR20 System Accessories and Options		MSRP
BR20-CS	Basic Accessories Cable Set	\$199
PS20-HS	Internal Heater Strips & Thermostat Control Module	\$79
CT20-CM	Thermoelectric Cooling Solution Option	\$580
OBDII/CAN	Basic CAN module	\$150
OBDII/CAN Enhanced	Enhanced CAN module (SJA1000, 82C251)	\$419
4 x RCA	4 x Composite video IN	\$178
GPRS Modem	GSM/GPRS Modem	\$315
CDMA Modem	Dual-band CDMA Modem	\$553
Edge Modem	Edge Modem	\$450
Preloaded Windows XP	Windows XP Home Operating System (Add \$50 for Pro Upgrade)	\$249
4GB CF Card	4GB CF Upgrade	\$75
8GB CF Card	8GB CF Upgrade	\$120
16GB CF Card	16GB CF Upgrade	\$185
WiFi CF Card	Internal WiFi Upgrade	\$149
APM-MP-878D	Mini-PCI video capture card, Conexant Bt878A decoder	\$214
APM-MP-323	Mini-PCI IEEE 1394A Module (3 ports) with cables	\$257
APM-MP-954	Mini PCI support 4 x Serial Ports Module (3 x RS232 and 1 x RS232/422/485) *	\$156
APM-MP-541D	Mini-PCI Gigabit Ethernet Module with cables	\$159
APM-MP-541D2	Mini-PCI Dual Gigabit Ethernet Module with cables	\$309
APM-MP-2501	Mini-PCI 802.11b/g Wireless card	\$168
APM-MP-954GPS	Mini-PCI GPS Module	\$234
32GB SSD	32GB Solid State Harddrive	\$240
64GB SSD	64GB Solid State Harddrive	\$549

\* All configurations must be specified at time of order. Motherboard not user accessible. Other configurations available, please consult factory.

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