

INDUSTRIAL PC

*"Rough-and-Ready"
for Extreme Environments*

Designed for outdoor, dock, warehouse and plant installations.

- Eliminate maintenance issues from dust and moisture with a completely sealed, fanless case
- Get 'off-the-grid' with a low-cost DC power infrastructure (12-24VDC operational)
- Ideal for solar powered installations and other battery based systems
- Designed for open, wet and abusive environments
- Low-voltage DC powered to eliminate shock hazard
- Highly impact resistant cast aluminum case can be mounted on a wall, pole or any flat surface
- Never miss a transaction with built-in DC Uninterruptible Power Supply (*Patent Pending*)
- Interchangeable with transaction terminals, hardened laptops and automation control computer systems
- Tested to run all PC Operating Systems: Windows XP, Vista, Linux, QNX, XPe, CE, etc.



Aplus Mobile's

A20-MC Ultra-Harsh Personal Computer: A Rugged Sealed Computer & Display Solution

- **DC and/or Solar Powered:** 0-48VDC with internal Uninterruptible Power Supply (UPS)
- **Completely Sealed Chassis:** Eliminate contaminant ingestion of dust, debris and water
- **Heavy Cast Aluminum Case:** For increased durability
- **Industrial Grade Personal Computer:** Tested to run all PC Operating Systems and Programs
- **Extended Communication Capability:** Incorporate WiFi, Cell Modem, CAN-bus, touchscreen user interface options and much more
- **USA Based Design and Manufacture**
- For more information and to download the User Manual, visit www.AplusMobile.com

All trademarks are owned by their respective owners.



A20-MC

19629 S. McCord Rd.
Oregon City, OR 97045
www.AplusMobile.com
503.265.9325
Sales@AplusMobile.com
CAGE Code: 4P1Q1

Specifications

- **Capability:** Open Architecture so it will run all currently available PC operating systems, applications and peripherals. This enables the A20-MC to replace or upgrade existing computers that present maintenance or reliability issues. Installations can be accomplished by IT personnel without extended training.
- **Power Efficiency:** Draws less than 40W of power. Powered by any 12 or 24VDC line. Power conditioning not required.
- **Reliability:** Sealed and passively cooled (*patent pending*) to prevent contaminant ingestion of dust or water, a leading cause of computer maintenance and failure issues. Guarantee the integrity of your data from brownouts with our internal DC-UPS (uninterruptible power supply) (*Patent Pending*).
- **Processing Power:** Based on Intel chipsets and related components. Full range of Intel processors available.
- **Flexible Form Factor:** Remotely mounted from monitors and other peripherals for maximum flexibility and security.
- **Dimensions:** 2.85”h (7.2cm) x 10.5”w (26.7cm) x 9”d (22.9cm)
- **Weight (Standard Configuration):** 10.9 lbs. (4.954kg)
- **Temperature:** 0°C to 60°C standard, extended temperature range available
- **User Manual:** Available at www.AplusMobile.com

A20-MC Standard Configuration..... MSRP \$4,895		A20 Accessories and Options		MSRP
Processor	Intel Core 2 Duo, T5600 @ 667MHz FSB	ATOM, Core Solo, Core 2 Duo, Quad Core also available		Call
Chipset	Intel GM(E)965 north bridge, ICH8M south bridge	Monitor	See Monitor Datasheet for specifications	
XVGA video	Built-in Intel Graphics with GMA X3100 Technology	A20-CS	Basic Accessories Cable Set	\$299
System Memory	2GB DDR2 677 SDRAM memory size (2 x 1GB)	4GB DDR2 RAM	Dual channel (2 x 2GB) MB. Only 3GB accessible.	\$380
Onboard CF Slot	One 2GB CF type-II	Preloaded Windows XP	Windows XP Home Operating System (Add \$50 for Pro Upgrade)	\$249
Onboard Video	XVGA, TV OUT, Composite, Component (YPbPr), 1080p HDTV 1600 x 1200 max	Firewire	IEEE 1394A pigtail	\$65
Onboard Audio	Intel ICH8-M with Realtek ALC888 HD Audio, stereo connection standard with adapter cable			
Onboard USB	Two harsh USB 2.0 (Can use standard USB cables)			
Onboard LAN	Intel 82573L 10/100/1000GB			
Voltage Input	Universal 12-29VDC nominal line			
Typical Power Consumption	<40W (2 ~ 3A @ 12VDC)			
APM I/O Conn.	DB-15 APM Expansion Connector			
Onboard CF Slot	One 2GB CF type-II	4GB CF Card	4GB CF Upgrade	\$75
		8GB CF Card	8GB CF Upgrade	\$120
		16GB CF Card	16GB CF Upgrade	\$185
Onboard Serial	2 x RS-232 (standard) or 1 x RS-232 and 1 x RS232/422/485 *	RS485 / RS422	1 x RS485 or 1 x RS422 *	\$25
Internal Mini-PCI	Two Optional Mini-PCI add-in cards *	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-541D2	Mini-PCI Dual Gigabit Ethernet Module with cables	\$309
		APM-MP-2501	Mini-PCI 802.11b/g Wireless card	\$168
Onboard SATA HD	One 250GB SATA, Mechanical 2.5" hard drive	Dual 250GB HD	2 x 2.5" Mech. Harddrive (500GB total)	\$180
		32GB SSD	32GB Solid State Harddrive	\$240
		Dual 32GB SSD	2 x 32GB SSD (64GB total)	\$564
		64GB SSD	64GB Solid State Harddrive	\$549
		Dual 64GB SSD	2 x 64GB SSD (128GB total)	\$1180

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

Copyright 2003-2007 Aplus Mobile, Inc. All rights reserved.
All Trade Marks are owned by their respective owners, whether marked TM or otherwise.

84-0A20-MH_RD_0903.fm



A20-MC

19629 S. McCord Rd.
Oregon City, OR 97045
www.AplusMobile.com
503.265.9325
Sales@AplusMobile.com
CAGE Code: 4P1Q1