

# CS10 CONTROL PC

**“Rough-and-Ready”  
for Harsh Environments**

**Ideal for Control of Multiple Communication Networks.**

- Extensive I/O Capability designed for machine and equipment control
- Open Architecture runs all PC operating systems and programs
- Capable of running multiple operating systems simultaneously
- Ultra-low 12-29VDC Power Input (<20W typical)
- Power Control System with Built-in DC Uninterruptible Power Supply (UPS)
- Compact, Sealed, Cast Aluminum Case with Passive Cooling Technology
- Mount on any flat surface
- Intel based processors and chipsets
- I/O connectors configurable per specification
- Extended Temperature Range available (-40°C to +85°C)

## Standard I/O:

- 4 x CAN-bus
- 5 x RS232
- 1 x RS232/422/485
- 2 x RJ45 GB LAN
- 6 x USB
- 1 x VGA
- 1 x 8-bit GPIO
- 2 x Serial ATA



## **Aplus Mobile's CS10 Ultra-Harsh Communication Control Computer and Display Solution**



- **Equipment 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
- **Standard Personal Computer:** Tested to run all PC Operating Systems, Programs and Peripherals
- **Extended Capability:** Incorporate WiFi, Cell Modem, touchscreen user interface option 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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# CS10

19629 S. McCord Rd.  
Oregon City, OR 97045  
[www.AplusMobile.com](http://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 which enables the CS10 to replace or upgrade existing equipment computers that present maintenance or reliability issues.
- **Power Efficiency:** Draws less than 20W of power; powered by the raw 12-29VDC bus (0-30VDC operational). No power infrastructure upgrades necessary.
- **Reliability:** The CS10 is sealed and passively cooled (*patent pending*) to prevent contaminant ingestion of dust or water, the leading cause of field deployed computer failures; Internal Uninterruptible Power Supply (UPS) provides immunity to power transients and brownouts; based on Intel chipsets and related components.
- **Flexible Form Factor:** Remotely mounted from monitors and other peripherals for maximum flexibility.
- **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](http://www.AplusMobile.com)

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**\*I/O configurable per specification**

CS10 Standard Configuration..... MSRP \$3,675	
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	2 x Intel® 82574L Gigabit Ethernet
Voltage Input	Universal 12-29VDC nominal line
Typical Power Consumption	<20W
Onboard CF Slot	1 x 2GB CF type-II
Extended Interface	1 x PCI Express Mini card, 1 x Mini-PCI socket, 1 x PCI slot available
Onboard SATA HD	1 x 250GB SATA, Mechanical 2.5" hard drive

CS10 Accessories and Options		MSRP
A20-CS	Basic Accessories Cable Set	\$299
RT20-HS	Internal Heater Strips & Thermostat Control Module (heater functions to -200°C)	\$79
CT20-CM	Thermoelectric Cooling Solution Option (operation up to 60°C)	\$580
OBDII/CAN Module	Scan interface and software	\$199
OBDII/CAN Module Enhanced	Enhanced parameter per vehicle type (GM/Ford/Chrysler)	\$349
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
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
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.



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