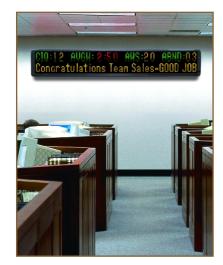# AlphaPremiere™ 9000

In today's world, quick and effective communication is essential. To achieve this, you need the right display using the right technology. Adaptive's network ready LED message displays have revolutionized the way companies communicate with their customers and employees.

Ideal for applications requiring:

- *Multiple lines of text*
- *Quick, real-time data updates*
- *Flexibility in screen layouts*
- *Audible notification of message updates*

The 9000 Series features everything you want in a display; 1 to 5-lines of vivid, 8-color characters, with sizes ranging from 1.5-inch to over 9-inches. Standard and optional connectivity options are also available. Use simple point-to-point RS232 connection, multi-drop RS485 connection, or connect through an optional built-in Ethernet connection.

Standard Features

- *1.5" to 9.6" character size*
- *Optional built-in Ethernet networking interface*
- *U.S. based manufacturer*
- *Fast data updates, Baud rates up to 38.4kbps*
- *8–Color operation*

- *Built-in speakers with volume control*
- *External speaker jack*
- *100,000 hour LED rating*
- *Calendar Time/Date message scheduling*
- *Two year Warranty*

ADAPTIVE™
Adaptive Micro Systems Inc

AlphaPremiere™ 9000 Specifications

Sizes	9080C	9120C	9160C	9200C	9240C
Case dimensions: (with power supply)	28"L x 2.2"D x 12"H (71.1 cmL x 5.5 cmD x 30.4 cmH)	40"L x 2.2"D x 12"H (101.6 cmL x 5.5 cmD x 30.4 cmH)	52"L x 2.2"D x 12"H (132 cmL x 5.5 cmD x 30.4 cmH)	64"L x 2.2"D x 12"H (162.5 cmL x 5.5 cmD x 30.4 cmH)	76"L x 2.2"D x 12"H (193 cmL x 5.5 cmD x 30.4 cmH)
Approximate weight:	18 lbs. (8.19 kg.)	23 lbs. (10.4 kg.)	31 lbs. (11.8 kg.)	36 lbs. (16.3 kg.)	41 lbs. (18.6 kg.)
Display dimensions:	24"L x 9.6"H (60.9 cmL x 24.4 cmH)	36"L x 9.6"H (91.4 cmL x 24.4 cmH)	48"L x 9.6"H (121.9 cmL x 24.4 cmH)	60"L x 9.6"H (152.4 cmL x 24.4 cmH)	72"L x 9.6"H (182.9 cmL x 24.4 cmH)
Display array	80 x 32 pixels	120 x 32 pixels	160 x 32 pixels	200 x 32 pixels	240 x 32 pixels
Characters/line One line: 9.6" / 24.38 cm Two line: 4.5" / 11.43 cm Three line: 3" / 7.6 cm Four line: 2.1" / 5.3 cm Five line: 1.5" / 3.8 cm	9 9 9 13 16	13 13 13 20 24	17 17 17 26 32	22 22 22 33 40	26 26 26 40 48

Pixel Size (Diameter):	0.2" (.5 cm)
Pixel (LED) Color:	8 colors (in shades of red, green and amber)
Center-to-Center Pixel Spacing (Pitch):	0.3" (0.8 cm)
Character Set:	– International Character Set, Block (sans serif), decorative (serif), upper/lower case, slim, wide, double wide, double high and shadow – Programmable character set
Message Capacity:	– 64k RAM standard, expandable to 512K – 81 text messages can be stored and scheduled to be displayed according to the time and date – Supports 8 color graphic files
Message Presentation Modes:	– 25 consisting of: Automode™, Hold, Flash, Interlock, Roll (6 directions), Rotate left, Sparkle-On, Switch, Spray-on, Slide across, Starburst, Snow, Scroll, Twinkle, Wipe (6 directions) and cycle color – Continuous message entry with automatic centering in any mode – User programmable logos and graphics – 6 speed controls – Programmable hold times up to 6 minutes
Serial Computer Interface:	– 1200 to 38.4 kbps – Standard: RS232 and RS485 ports – Optional: 10 Base-T Ethernet port (replaces RS232 port) *Note: RS232 or Ethernet port communication can be echoed on RS485 port*
Communication Protocol:	Alpha® Communications protocol
Speakers/Audio:	– Internal speakers – Serial and manual volume control – 16 different triggerable sound files with up to 32 notes in each
External Speaker Jack:	Mini-RCA jack for powered stereo PC speaker connection
Clock/Date:	Date in multiple formats and time in 12 or 24 hour formats

Battery:	– Lithium battery for message and time/date retention during power outages of up to 6 months
Special Features:	– LED diagnostic/status indicators; RS232 transmit, RS232 receive, RS485 transmit, RS485 receive, sign status and flash programming status – External reset button accessible from end cap – DIP switch selectable serial addressing and communication options – Automatic overheating protection – Serial uploadable FLASH EPROM memory for upgrading firmware – Handheld IR available for limited diagnostics only
Power:	– 100-240 VAC, 50/60Hz ±10% – 360 Watts maximum for models 9080C, 9120C, and 9160C – 500 Watts maximum for models 9200C and 9240C – Different IEC power cords for specific type plugs
Case Material:	Extruded aluminum
Limited Warranty:	Two-year parts and labor, factory servicing
Agency Approvals:	*North America* – US Emissions: FCC Part 15, Class A US Safety: ANSI/UL 1950, Third Edition Canada Emissions: Industry Canada ICES-003, Class A Canada Safety: CAN/CSA C22.2 No. 950-95, 3rd Edition *Europe* – Emissions: EN 55022 (CISPR 22), Class A Immunity: EN 55024 Harmonics/Flicker: IEC 61000-3-2, IEC 61000-3-3 Safety: IEC 60950: 1991 (plus amendments); EN 60950: 1992 + A1, A2, A3, A4, and A11 C€ Marking on all models *Australia/New Zealand* – Safety: AS/NZS 3260: 1996
Operating Temperature:	32° to 120°F, 0° to 50°C
Humidity Range:	0% to 95% non-condensing
Mounting:	Hardware to accommodate ceiling, wall, or counter mount

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