

## ALPHA™ 7000-NEMA 4 & 4X



# ALPHA™

Alpha™ 7000 NEMA Series displays are designed for continuous, real-time employee communications.

Alpha™ 7000 Nema Series displays are perfect for displaying safety, quality control and lean manufacturing metrics. With maximum protection against windblown dust, splashing, and hose-directed water – these displays help keep production up and running through any of your industrial processes.



#### Features:

- NEMA 4 – steel casing withstands dust, drip, splashing and hose-directed water
- NEMA 4X – stainless steel casing protects against corrosion, dust, drip, splashing and hose directed water
- Easy Networking
- Character size: 1.5” – 7.2”
- Different length options available
- One year USA Factory Warranty
- Stores & displays up to 96 messages
- Flexibility of 1-4 line message
- Keyboard programmable from 30 ft.

#### Flexible Connection Options.



Alpha displays can be addressed individually or collectively and offer a wide variety of flexible connectivity options:

#### Standard:

- Simple point to point RS232 communications
- Multi-drop RS485 connections

#### Optional:

- Communications via standard on-site paging systems
- RF Modem solutions
- Ethernet LAN connections

Specifications	7120	7200
*Case Dimensions: (Power supply inside case)	42.24" L x 5.93" D x 13.70" H (107.29 cm L x 15.06 cm D x 34.8 cm H)	66.24" L x 5.93" D x 13.70" H (168.25 cm L x 15.06 cm D x 34.8 cm H)
Approximate Weight:	60 lbs. (27.2 kg.)	80 lbs. (36.3 kg.)
Display Dimensions:	36" L x 7.2" H (91.5 cm L x 18.3 cm H)	60" L x 7.2" H (152.4 cm L x 18.3 cm H)
Display Array:	120 x 24 pixels	200 x 24 pixels
Characters Displayed in: One-Line: Two-Line: Three-Line: Four-Line:	Minimum/typical/maximum 10/12/15 40/40/60 60/60/90 96/96/120	Minimum/typical/maximum 18/20/25 66/66/100 99/99/150 160/160/200
Text Memory	50,000 Characters typical	50,000 Characters typical
Graphic Memory:	40,000	40,000

Display Specifications	
Pixel Size (Diameter):	0.2" (.05 cm)
Pixel (LED) Color:	Each dot can be red, green, or amber
Center-to-Center Pixel Spacing (Pitch):	0.3" (0.8 cm)
Character Size (One-line format): (Two-line format): (Three-line format): (Four-line format):	7.2" (18.3 cm) 3.0" (7.6 cm) 2.1" (5.3 cm) 1.5" (3.9 cm)
Character Set:	International Character Set, Block (sans serif), decorative (serif), upper/lower case, slim, wide, double wide
Memory Retention:	One month typical
Message Capacity:	96 different messages can be stored and displayed
Message Operating Modes:	<ul style="list-style-type: none"> <li>- 19 consisting of: Automode™, Hold, Roll (6 directions), Rotate, Sparkle-On, Twinkle, Interlock, Wipe (six directions) Flash and Scroll</li> <li>- Continuous message entry with automatic centering in any mode</li> <li>- User programmable logos and graphics</li> <li>- Five variable speed controls</li> </ul>
Real-Time Clock:	Date and time, 12 or 24 hour format, maintains accurate time without power for up to 30 days typical

Network and Power Specifications	
Serial Computer Interface:	RS232 and RS485 (multi-drop networking for up to 255 displays) Options – Wireless Interface – Ethernet LAN interface
Power:	120 VAC ± 10% - 180 watts max for all models.
Keyboard:	Handheld, Eurostyle, IR remote
Agency Approvals:	– ETL/ETLc – FCC Part 15 Class A
Operating Temperature:	32° to 120°F, 0° to 49°C
Temperature Control:	Self regulated overheating protection

General Specifications	
Case Material:	NEMA 4–Steel NEMA 4X–Stainless steel
Enclosure Options:	Designed to NEMA 4 specifications Designed to NEMA 4X specifications Meets NEMA 12 specifications
Mounting:	Hardware to accommodate ceiling or wall mounting
Limited Warranty:	One-year parts and labor, factory servicing

Adaptive Micro Systems has over 35 years of experience manufacturing quality LED signage solutions. We design innovative products that are simple to maintain and easy to operate. By designing, manufacturing and testing all products in our advanced U.S. facility, Adaptive maintains complete control of our quality products.



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