



Wireless PC control for ALPHA® indoor and outdoor LED message centers.

Adaptive's Alpha® RF900™ transceivers enable wireless networking solutions for Alpha LED displays in retail, industrial and office applications. These cost effective, compact devices may be configured for point to point or point to multi-point communications in a client server network. Enables easy RS232 plug and play control from the convenience of your PC – you can send important messages to Alpha LED indoor and outdoor electronic message center (EMC) networks. Typical transmission range is up to 500 feet indoors (dependent upon environment) and 3500 feet outdoors for line-of-sight (LOS) between antennas installations.

BENEFITS:

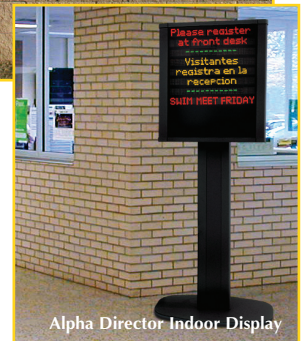
- Reach locations where wired connections are not feasible
- Eliminate costly trenching for outdoor EMC installations
- Eliminate long, costly runs of network cable, conduit and associated labor
- Facilitates easy EMC installation exactly where critical information displays are required

INDOOR AND OUTDOOR ALPHA EMC APPLICATIONS:

- Commercial point-of-sale advertising programs generate a fast ROI
- On-premise roadside and drive-thru advertising
- Important community messaging – amber alerts/police/fire departments
- Financial rate displays – time & temperature data, drive-thru ads
- Campus/school announcements, way-finding and activity changes
- Employee communications – critical business goals, real-time data displays, safety and quality data



AlphaEclipse Outdoor Display



Alpha Director Indoor Display

ALPHA RF900 Provides:

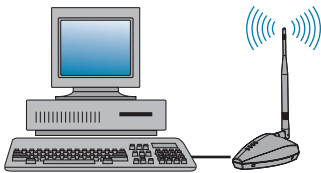
- Interior typical up to 500 foot transmission range
- Exterior up to 3500 feet LOS
- Small compact size for minimal desktop footprint
- Simple RJ11 connection to indoor Alpha EMCs
- 900e client installed inside AlphaEclipse® outdoor EMCs
- Individual client addressing enables flexible networking
- Individual channel server control for multiple networks
- Backwards compatible with existing Alpha EMCs*
- Requires Alphanet™ PC software version 3.0.2 or higher

* Dependent upon model type, consult your Alpha dealer

ALPHA® RF900 Specifications

Description	RF900 server	RF900i Client	RF900e Client
Installation: Communication results are based upon local environmental conditions. Ask your Alpha Eclipse dealer to conduct a signal strength analysis prior to purchase.	RF900 server attaches to the PC RS232 9 pin serial port	RF900i client attaches to the back of the Alpha LED EMC via RJ11	<ul style="list-style-type: none"> RF 900e client installed inside new AlphaEclipse EMC at the factory Compatible with existing installed AlphaEclipse EMCs –dependent upon model type, consult dealer
RS232 Serial Interface:	DB9female	RJ11	Factory installed
Antenna:	2dBi SMA connector	2dBi SMA connector	2dBi with 6 ft. extension cable to enable install
Power:	Wall AC Adapter, 6ft. cable Input 120VAC / Output 6VDC @ 500mA	Input 5VDC/RJ11 from Alpha serial port	Input 5VDC from custom cable connection factory installed
Weight:	~ 1lb. with AC Adapter	6 ounces	
Length:	5.1 inches		
Width:	3.1 inches		
Depth:	1.95 inches		
Operating Temperature:	0 – 70°C	-40°C to +80°C	
Frequency Band:	902MHz – 928MHz (US) FHSS		
Transmission Range:	Up to 500 ft. indoors (dependant upon building structure), up to 3500 ft. LOS outdoors		
Transmission Rate:	9600bps to 38400bps set at factory		
PC Software:	AlphaNet version 3.0.2 or higher, Windows® 95/98/NT4/2000/XP		
Channels & Addressing:	Up to 48 for USA. Client's MAC address is matched to server at the factory. Alpha LED EMCs may also be assigned their own individual addresses		

Typical application using the AlphaRF900 option



PC Running AlphaNet Software

- Alpha RF900 server
- 48 channel options
- Controls indoor and outdoor Alpha LED displays



AlphaEclipse with RF900e

- Single faced
- Double/multiple faces
- One color Red/Amber
- RGB 16.7 million colors



Indoor Alpha with RF900i

- One to four lines
- Single to eight colors
- Character or full matrix displays
- Wall sized Alphavision displays