

AlphaEclipse™ PureColor™ 3600 Series Outdoor LED Message Center Overview

Feature and Function	Benefit
Electronic Design	
Adaptive proprietary design	<ul style="list-style-type: none"> • High quality – control over all manufacturing processes • Complete engineering design control, no outsourcing • State-of-the-art SMT PCB designs
Hewlett Packard/Agilent LEDs	<ul style="list-style-type: none"> • 100,000 hours of life to 50% of original output • Highest bin grades for optimum brightness & uniformity
PureColor™ LED design	<ul style="list-style-type: none"> • Red, amber or RGB versions with 24 bit driver design capable of displaying 16.7 million color combinations • Exposed LEDs are brighter and have improved side angle visibility. • Eliminates need for Polycarbonate face and door assy. • Ability to build up to 256 cols by 128 rows, 15'x30'
Parallel Communication Processing	<ul style="list-style-type: none"> • Isolation of individual module failure • No "Christmas tree" light effect
ARM processor	<ul style="list-style-type: none"> • State-of-the-art controller design
Electrical surge protection	<ul style="list-style-type: none"> • Protects individual boards for each module
Industry standard memory	<ul style="list-style-type: none"> • Compact Flash card for RAM file storage
Silicone potted drive modules	<ul style="list-style-type: none"> • Entire LED face is potted for all weather application • Silicone coating prevents corrosion on drive and controller boards
Flash EPROM design	<ul style="list-style-type: none"> • Software updates via remote access, network or Internet convenience.
Flexible PC communication	<ul style="list-style-type: none"> • Standard RS232 or RS485 wired networks • Optional wired telephone modem interface • Optional on-site bi-directional wireless control • Optional Ethernet option • Optional fiber optic cable connection system • Optional handheld message loader
Internal main power service switch	<ul style="list-style-type: none"> • No need to turn off remote circuit breaker
Automatic night time dimming	<ul style="list-style-type: none"> • Photocell or time of day dimming
Thermostatic control	<ul style="list-style-type: none"> • Cooling/fan functions automatically controlled • Auto dim and auto shut-off to prevent overheating
Modular Enclosure Design	
Weather proof, fabricated aluminum enclosure	<ul style="list-style-type: none"> • Light weight building block module design • Minimizes delivery lead times to 2-3 weeks • All aluminum design eliminates corrosion
PermaBond powder coated case	<ul style="list-style-type: none"> • Heavy duty textured surface that is significantly more durable than a traditionally spray painted case
Front and rear access for service	<ul style="list-style-type: none"> • Lightweight, easy to handle 2'x2' modules • Single person servicing • Large scale displays are easily serviced due to easy access to any section or face of the display
Software Design	
Alphanet software included with exclusive user based CBT tutorial program	<ul style="list-style-type: none"> • Create a complete in/outdoor communication system • Computer based training (CBT) program is included at NC – automatically guides the user through a learn-as-you-go training process to understand all software features • Less support and training required
Professional diagnostic functions	<ul style="list-style-type: none"> • Easy to use remote diagnostics and sign control • Comprehensive test and control system that can even diagnose internal case temperature • Efficient service and support
Individual module color control	<ul style="list-style-type: none"> • Efficient color matching of new and old LED modules • Easily get a replacement module that matches even years down the road
Animations/Graphics - Standard GIFs & BMPs	<ul style="list-style-type: none"> • Display industry standard/web animations
Five separate counter functions	<ul style="list-style-type: none"> • Automatically update; safety records, or time to special events in minutes/hours/days.
ActiveX component	<ul style="list-style-type: none"> • Enables real-time linking to other MS programs • Communicate from any application software that supports the use of ActiveX Controls

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Finished AlphaEclipse 3600 Product	
All modular building-block design	<ul style="list-style-type: none"> • Easy front/rear access to all components • 30 second field servicing of 8x8 electronic modules • No loose components or special servicing tools needed • All electronic connections for communication and power use (quick disconnect) HD locking connectors • Fast & simple replacement of cased 16x16 modules • Easy installation of sections for large projects • Fast access to incoming serial data and main power without removing any electronics via separate wire-way box for each row of modules - saves tech time • Individual power switch for each module • Redundant failure protection; two fans, individual surge & thermal protection, parallel com system. • Enables reduced lead times and in-house product configuration
Over 100 model sizes	<ul style="list-style-type: none"> • Visibility from 100 feet to over 5000 feet to meet any outdoor application requirement. • Sizes from 2' x 4' to 15' x 30' • Available in monochrome red or amber • RGB versions to meet any message center display requirement
Agency approvals	<ul style="list-style-type: none"> • ETL certified to UL1950 safety standard • Wind load requirements based on the 1997 Uniform Building Codes. 2000 International Building Codes ASTM Referenced Standards • Quality design, industry certified
Manufactured in USA	<ul style="list-style-type: none"> • Easy access to sales & service personnel • Backed by a company that is a focused specialty manufacturer of LED message centers for 25 years
Two year factory parts warranty	<ul style="list-style-type: none"> • Covers all internal parts – not just the electronics.
Service and support	<ul style="list-style-type: none"> • Same day shipment for replacement parts for orders placed by 3 PM CST. • 24/7 web based user/distributor service information. • Web based bulletin boards for email support. • Exclusive CBT CDs - a continuing education program for the field service technicians and end users of AlphaEclipse products
Quality documentation and training programs	<ul style="list-style-type: none"> • Monthly in-house training programs at Adaptive • Complete installation and service manual details out the serviceable parts and process • 24/7 web based documents • Web and CBT CD programs – for individualized learning requirements.