



ADAPTIVE

**OUTDOOR
TRANSIT DISPLAY
SELECTION GUIDE**

**PROVIDING A NEW LEVEL OF
VISUAL DISPLAY SOLUTIONS
FOR THE TRANSPORTATION MARKET**

APPLICATIONS



BUS SHELTERS

- Display accurate, dependable departure information for travellers at every stop
- Improves image and helps increase ridership
- Weather and tamper-resistant enclosures



INTELLIGENT TRANSPORTATION SYSTEM

- Perfect for Arterial and Freeway applications
- Convey important road condition information to travellers
- Used to re-route emergency vehicles, road maintenance schedules, display of travel times and event parking information
- Integral to Amber Alert Programs



PARKING STRUCTURES

- Inform customer of current lot status, i.e., "Lot Full"
- Give accurate directions to next level, exit, etc.
- Prepare customers, prior to pay booths, at exit



RAIL PLATFORMS

Subway, Commuter and Inter-city Rail

- Complies with mandated ADA-requirements
- Informs passengers with real-time information to include arrival, departure, route changes, emergency and safety messages
- Increase rider confidence with accurate information



TOLL BOOTHS

- Notify customers of lane closures
- Give pricing information
- Use as public address system to give safety or emergency information
- "Welcome" people
- Tie into highway safety program
- Use during construction season, i.e., "Fines Double in Construction Zone"

AlphaEclipse 2500 Series



AlphaEclipse 2500 series 160 x 16 pixels



AlphaEclipse 2500 series 96 x 16 pixels



AlphaEclipse 2500 series 96 x 16 pixels

- Visibility from 7-to over 700-feet
- Over 20 standard sizes available
- Industry leader in delivery time
- Simple messaging via PC
- Thin aluminum case, only 8" deep

- Agency approval ANSI/UL, C-ETL-US
- ADA-compliant characters
- Energy efficient
- Long life LEDs: 100,000 hours
- Available with NTCIP Interface

Rows	Columns	Case H x W	Char. Height Per Line	3" Char's Per line	Max Current (Amps)	Weight
16	96	13" x 49"	7.2"/1	16/2	2	60lbs.
16	128	13" x 64"	3"/2	21/2	3	80lbs.
16	160	13" x 78"	2.25"/2	26/2	3.5	100lbs.
16	192	13" x 92"		32/2	4	120lbs.
32	96	20" x 49"	14.4"/1	16/4	4	90lbs.
32	128	20" x 64"	9"/1	21/4	5.5	110lbs.
32	160	20" x 78"	7"/2	26/4	7	130lbs.
32	192	20" x 92"	4.5"/3	32/4	8	150lbs.
			3"/4			
			2.25"/5			
48	96	27.5" x 49"	14.4"/1	16/6	6	105lbs.
48	128	27.5" x 64"	9"/2	21/6	8	125lbs.
48	160	27.5" x 78"	7"/3	26/6	10	145lbs.
48	192	27.5" x 92"	4.5"/4	32/6	12	165lbs.
			3"/6			
			2.25"/8			

Rows	Columns	Case H x W	Char. Height Per Line	3" Char's Per line	Max Current (Amps)	Weight
64	96	34.5" x 49"	14.4"/1	16/8	8	150lbs.
64	128	34.5" x 64"	9"/3			
64	160	34.5" x 78"	7"/4	21/8	11	170lbs.
64	192	34.5" x 92"	4.5"/5			
			3"/8	26/8	13.5	190lbs.
			2.25"/10	32/8	16	210lbs.
80	96	41.5" x 49"	14.4"/2	16/10	10	180lbs.
80	128	41.5" x 64"	9"/3			
80	160	41.5" x 78"	7"/5	21/10	13.5	200lbs.
80	192	41.5" x 92"	4.5"/7			
			3"/10	26/10	17	220lbs.
			2.25"/13	32/10	20	240lbs.

Approximate weight & dimensions

Specifications common to all Eclipse displays

- Pixel (LED) Color:** Red or amber
- Pixel Luminance:** Viewable in direct sunlight
- Pixel Wavelength:** Red-626nm Amber-592nm
- Character Set:** International character set, block (sans serif), decorative (serif), upper/lower case, slim, wide, double wide, programmable character sets
- Message Capacity:** 81 different messages can be stored and scheduled to be displayed according to time and date
- Message Presentation:** -25 unique presentation styles

Built-In Animations:

- Automatic centering in any mode
- User programmable logos and graphics
- Programmable hold times up to 6 minutes
- Calendar scheduling
- Cherry bomb exploding, Don't Drink and Drive, Fireworks, Slot machine, No Smoking, Running animal, Moving auto, Welcome (in script), Thank You (in script), Happy Birthday, Happy Anniversary, Champagne bottle, Balloons and Birthday cake

AlphaEclipse 2600 Series



AlphaEclipse 2600 series 192 x 80 pixels



AlphaEclipse 2600 series 160 x 32 pixels



AlphaEclipse 2600 series 128 x 16 pixels

- Visibility from 10-to over 1000-feet
- Over 20 standard sizes available
- Industry leader in delivery time
- Agency approval ANSI/UL, C-ETL-US
- Cost effective solution for displaying 4", 6" and 8" characters
- Available with NTCIP interface

Rows	Columns	Case HxW	Char. Height Per Line	4" Char's Per line	Max Current (Amps)	Weight	Rows	Columns	Case HxW	Char Height Per line	4" Char's Per line	Max Current (Amps)	Weight
16	96	15.5" x 64"	9.6"/1	16/2	2	96lbs.	64	96	44" x 64"	19.2"/1	16/8	8	198lbs.
16	128	15.5" x 83"	6"/1	21/2	3	127lbs.	64	128	44" x 83"	12"/3	21/8	11	222lbs.
16	160	15.5" x 102"	4"/2	26/2	3.5	160lbs.	64	160	44" x 102"	9"/4	26/8	13.5	250lbs.
16	192	15.5" x 121"	3"/2	32/2	4	193lbs.	64	192	44" x 121"	6"/5	32/8	16	277lbs.
32	96	25" x 64"	19.2"/1	16/4	4	119lbs.	80	96	54" x 64"	19.2"/2	16/10	10	237lbs.
32	128	25" x 83"	12"/1	21/4	5.5	144lbs.	80	128	54" x 83"	12"/3	21/10	13.5	261lbs.
32	160	25" x 102"	9"/2	26/4	7	171lbs.	80	160	54" x 102"	9"/5	26/10	17	289lbs.
32	192	25" x 121"	6"/3	32/4	8	198lbs.	80	192	54" x 121"	6"/7	32/10	20	316lbs.
48	96	35" x 64"	4"/4	16/6	6	139lbs.	Approximate weight & dimensions						
48	128	35" x 83"	3"/5	21/6	8	163lbs.							
48	160	35" x 102"	19.2"/1	26/6	10	191lbs.							
48	192	35" x 121"	12"/2	32/6	12	218lbs.							

User Animations: .BMP and .GIF file formats
Temperature Accuracy: ±2° F Typical (with optional temperature probe)
Clock/Date: Date in multiple formats and time in 12/24-hour formats
Battery: Lithium battery for message and time/date retention during power interruptions for at least 1 year
Serial Communication: Standard RS232 and RS485
Interface: –Options: On site wireless or modem. Factory tested, configured and installed inside case
RAM Capacity: 1 MEG

Special Features: –External temperature probe (optional)
 –Internal AC power switch for servicing
 –Internal thermostatically controlled fans for cooling
 –Serially uploadable FLASH EPROM memory for upgrading firmware
Communications: Alpha® Communication Protocol, optional NTCIP support
Power: 120 VAC ± 10% - 60 Hz
 (240 VAC model also available)
Case Material: NEMA type 3R, aluminum cabinet

AlphaEclipse 3500 Series



AlphaEclipse 3500 series 128 x 32 pixels



AlphaEclipse 3500 series 160 x 32 pixels



AlphaEclipse 3500 series 128 x 24 pixels

- Visibility from 200-to over 2000-feet
- Over 20 standard sizes available
- Industry leader in delivery time
- Thin aluminum case
- Agency approval ANSI/UL, C-ETL-US
- Low-power, long life LEDs
- Solid-state, low maintenance design
- Replace old incandescent & flipdisk technology
- Available with NTCIP interface

Rows	Columns	Case HxW	Char. Height Per Line	10" Char's Per line	Max Current (Amps)	Weight	Rows	Columns	Case HxW	Char. Height Per line	10" Char's Per line	*Max Current (Amps)	Weight
8	64	1'7" x 8'2"	11"/1	10/1	2.5	140lbs.	24	64	3'4" x 8'3"	33"/1	10/3	6.5	440lbs.
8	80	1'7" x 10'		13/1	2.9	160lbs.	24	80	3'4" x 10'11"	14"/2	13/3	7.6	465lbs.
8	96	1'7" x 11'10"		16/1	3.3	190lbs.	24	96	3'4" x 11'11"	10"/3	16/3	8.7	485lbs.
8	112	1'7" x 13'8"		18/1	3.8	220lbs.	24	112	3'4" x 13'9"	7"/4	18/3	10.6	515lbs.
8	128	1'7" x 15'6"		21/1	4.2	240lbs.	24	128	3'4" x 15'7"		21/3	11.8	535lbs.
8	144	1'7" x 17'4"		24/1	4.6	260lbs.	32	64	4'3" x 8'3"	44"/1	10/4	8.3	480lbs.
16	64	2'6" x 8'2"	22"/1 10"/2	10/2	4.3	185lbs.	32	80	4'3" x 10'11"	21"/2	13/4	10.1	505lbs.
16	80	2'6" x 10'		13/2	5.4	220lbs.	32	96	4'3" x 11'11"	14"/3	16/4	11.6	535lbs.
16	96	2'6" x 11'10"		16/2	6.2	250lbs.	32	112	4'3" x 13'9"	10"/4	18/4	14.0	560lbs.
16	112	2'6" x 13'8"		18/2	7.2	285lbs.	32	128	4'3" x 15'7"	7"/5	21/4	15.6	590lbs.
16	128	2'6" x 15'6"		21/2	8.0	320lbs.							
16	144	2'6" x 17'4"		24/2	8.7	355lbs.							

Approximate dimensions
Additional sizes are available upon request

- Limited Warranty:** Two-year limited factory depot parts warranty
- Agency Approvals:** FCC Part 15, Class A
ANSI/UL 60950: 3rd Edition, 2000
CAN/CSA C22.2 60950-00, 3rd Edition 2000
C-ETL-US listing mark
- Operation Temp:** -40° to 122°F / -40° to 50°C
- Mounting:** Single and double pole, wall and monument
- Enclosure:** Fully front-serviceable aluminum
- Energy Efficient:** Consume up to less than 1/40 the power of incandescents

ADAPTIVE MICRO SYSTEMS, INC. has been the leading worldwide manufacturer of electronic LED message displays and integrated messaging solutions since 1978. Adaptive prides itself on setting industry standards in the design, manufacture, integration and support of high quality electronic display products. Whether the application calls for small, custom designed displays for OEM applications to large outdoor advertising displays, Adaptive has the solutions our customers need. Adaptive's strengths are our people, our products and our partnerships.

PEOPLE – Adaptive's team is focused on providing quality display solutions and improving opportunities for our business partners. Adaptive's people are well known for going the extra mile to insure our customers' expectations are met or exceeded every day. This attitude has been the cornerstone of Adaptive's success and is an integral part of our corporate culture.

PRODUCTS – The combination of Adaptive's US based engineering team and state-of-the-art Malaysian manufacturing facility insure that our products are of the highest performance and quality at competitive prices. Our vertically integrated manufacturing systems insure consistent quality control through every step of the manufacturing process. We are the only LED manufacturer that builds its own LED displays for incorporation into our messaging products. We offer a broad line of indoor and outdoor product lines under the Alpha®, BetaBrite® and AlphaEclipse™ brands along with a variety of software interfaces and turn-key applications. Adaptive is also a leading supplier of custom designed OEM products that are built to our customers' exact specifications. Most of the LED message displays you see everyday are Adaptive products that either carry our brand or are built into our partners' equipment and systems.

PARTNERSHIPS – Adaptive places a high value on the importance of strong business partnerships. Leveraging our support, manufacturing, engineering strengths through value-added partners insures that the ultimate end user is satisfied for years to come. We pride ourselves in developing profitable win-win business relationships that last for decades.



Headquarters – Milwaukee, Wisconsin USA

Adaptive's 71,000 square foot corporate headquarters is also home to:

- Engineering Research and Development Team
- Our Software Development Team
- North American Sales and Marketing Teams
- Corporate Quality Control
- Corporate Operations and Purchasing
- Corporate Accounting
- North American Manufacturing
- Customer Support Team
- Applications and Technical Support



European Operation – Grenoble, France

Adaptive's 15,000 square foot European headquarters is home to:

- European Sales and Marketing Teams,
- Engineering Development Team
- Manufacturing
- Customer Support
- Applications and Technical Support



Malaysian Operation – Alor Setar, Malaysia

Adaptive's 50,000 square foot Far East headquarters is home to:

- State-of-the-art electronic assembly lines
- State-of-the-art Chip on Board (COB) lines
- Far East purchasing
- Manufacturing Engineering
- Far East Quality Control

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