

# AFOLUX - 6 Series 26"/42" Large Screen IP64 Panel PC Series



**AFL-26AE SAW Touch Panel**  
26" 1920 x 1200 AFOLUX Panel PC

(Optional Optical Disk Drive)



(Optional Optical Disk Drive)



**AFL-642AE SAW Touch Panel**  
42" FULL HD AFOLUX Panel PC

## Features

- WiFi 802.11b/g/n connection
- Built-in two speakers
- Built-in Bluetooth technology rids systems of cables and allows wireless connection to peripheral devices like headphones, printers, barcode readers or game controllers
- The Ambient Light Sensor helps conserve energy
- VESA-mountable for flexibility in mounting and deployment
- SAW touch screen with durable glass construction is perfect for healthcare, retail and hospitality applications (Optional)
- 42" tempered glass with AR(anti-reflection) coating (Optional)
- Ease of use OSD control below the front panel



<a href="#">▶ Versatile Applications</a>	<a href="#">▶ Distinguished Features</a>	<a href="#">▶ Blu-ray enriches the Applications</a>
<a href="#">▶ IEI Quick Mounting Technology</a>	<a href="#">▶ Specifications</a>	<a href="#">▶ Ordering Information</a>
<a href="#">▶ Packing List</a>	<a href="#">▶ Optional Mounting Kits</a>	

## Versatile Applications

### ▶ Retail



### ▶ Military



### ▶ Education



### ▶ Business



### ▶ Hospitality



### ▶ Medical



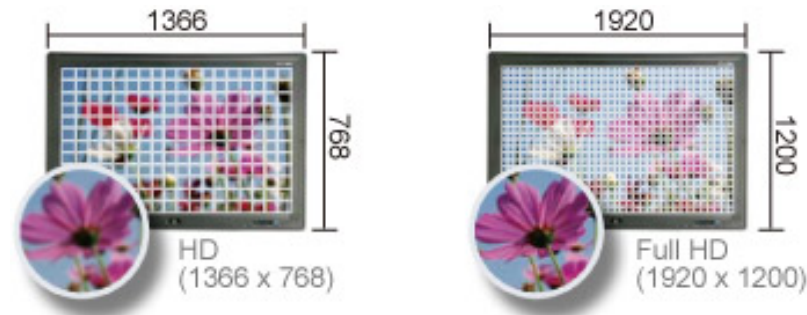
### ▶ Gaming



## Distinguished Features

### ▶ Feature1: Full HD

712 Pixel Full HD 1,080 Delivers the Finest Display Image



### ▶ Feature2: Solid SAW Touch Panel

Touch Screen Technology			
	Resistive	Surface Capacitive	SAW
Sensing method	Hand or stylus	Hand	Hand or Gloved Hand
Sensing Medium	ITO film or glass	ITO glass	Glass
Transmittance degree	80%~90%	90% above	92% above <b>WIN!</b>
Touch accuracy	Good	Normal	Excellent <b>WIN!</b>
# of touches in lifetime (mn)	35	200	100
Strength	Waterproof, dirt-proof	Fireproof, dirt-proof, not easily scratches, Long life	Fireproof, high reliability, not easily scratches, Long life
Weakness	Easily scratched	Easily affected by EMI	-



Durable SAW touch screen made of pure glass construction

### ▶ Feature3: HDMI delivers the High Image Quality on the Second Display



**1080P  
FULL HD**

HDMI Cable  
(About 50 feet)

**HDMI (High-Definition Multimedia Interface)** is a compact audio/video interface for transmitting uncompressed digital data.



**Application-Second Independent Display on LCD/PLASMA Advertising**



► **Feature4: CD/DVD/Blu-ray Drive Bay provides extra storage capacity**

**There two options for disk drives in AFL-6 series:**

**A. Slim Type CD-RW/DVD Combo Drive**



For convenience, AFL-26AE/642AE series is especially designed with OSD keypad below the front panel allowing fast volume and brightness adjustment.

The drive is able to write CD-R/RW discs and also can perform as a regular DVD-ROM drive.

Drive Type	Internal Slim CD-RW/DVD Combo Drive	
Data Transfer Rate	Write: CD-R: 24X CD-RW: 24X	Read: DVD-ROM: 8X CD-ROM: 24X
	SATA	
Buffer Memory	2MB	



**B. High Capacity Full HD Storage Medium-Blu-ray**

*(Only for Intel GM45 Platform)*

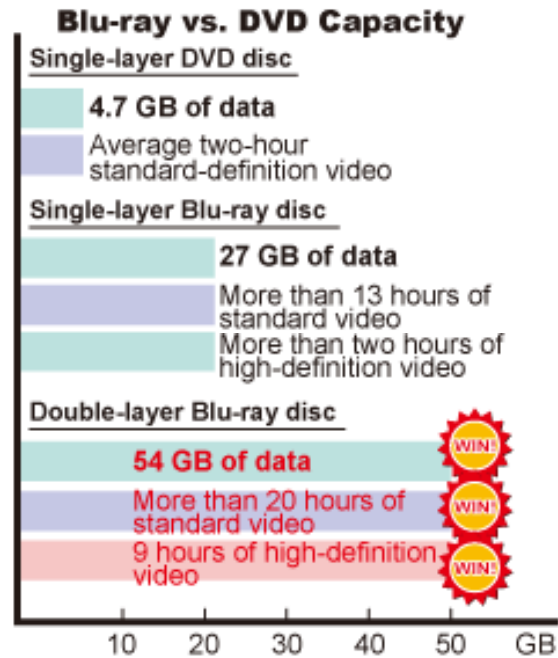
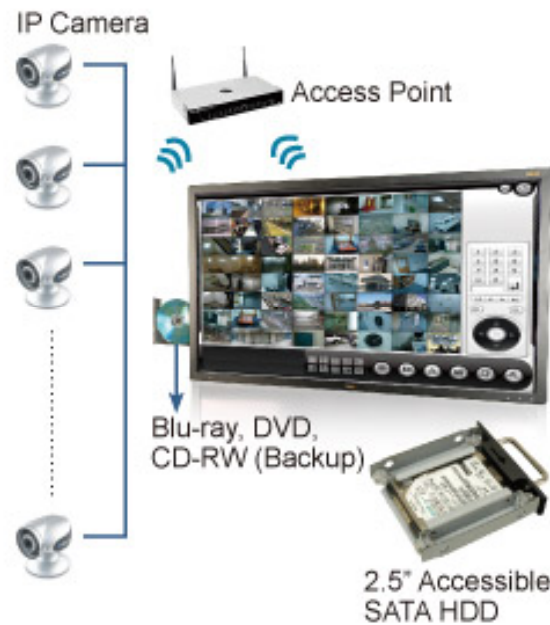
- Full HD high-definition media playback
- More than five times the storage capacity of traditional DVDs
- Backwards compatible with DVD/CD

	Blu-ray	DVD
Laser wavelength	405 nm (blue-violet laser)	650 nm (red laser)
Storage capacity (single side)	25 GB per layer 50 GB both layer	4.7 GB per layer 8.5 GB both layer
Numerical aperture, NA	0.85	0.60
Protection Layer	0.1mm	0.6mm
Raw data transfer	36.0Mbps 53.95Mbit/s (1.5x)	11.08 Mbit/s 10.08 Mbit/s
Mandatory video codecs	MPEG-2 MPEG-4 AVCVC-1	MPEG-2
Video resolution (maximum)	1920x1080	* 720 x 480 (NTSC) 720 x 576 (PAL)

\* NTSC mean in USA and Canada or PAL mean in Europe, Australia and New Zealand.

## Blu-ray enriches the Applications

### ▶ Building, Airport, Road Surveillance System Storage Media





### ▶ The most Powerful x86 architecture Digital Signage System

AFL-26AE/642AE GM45 systems with Intel's 4500MHD HD graphics core, which makes sure you are getting the best graphics possible. It also has Blu-Ray video playback, you could encode and decode many video formats and etc thanks to ClearVideo technology.





	Content Format			Compatibility	Interactivity	Real Time Information	ImageQuality	
	Video Formant Support	Graphics Format Support	Others					
<b>RISC-based Digital Signage</b> 	Fewer	Fewer	-	Dual Mirror Display	Confined to specific program	-	-	Normal
<b>X86-based Digital Signage</b> 	More	More (HTML, TIFF, RAW, Flash, Dynamic GIF)	Windows Media, Powerpoint	Dual Independent Display	Compatible with Windows based application program	Built-in touchscreen and bluetooth draw your customers in and keeps them involved	Wireless /HSUPA	3D comb filter and noise reduction technology enhance more crystal-clear picture

▲ TOP

## IEI Quick Mounting Technology

### ► Install Anywhere

The AFOLUX PPC/Monitor series with VESA standard mounting holes can be mounted virtually anywhere including wall mounting, stand and arm options, giving you the flexibility to place the system in the best location.

#### • Lift Stand



• Wall Arms



ARM-50

• Wall Mounts



WK-80

• Ceiling Mounts



CEILMT-135

• Mobile Mounts



Stand-M100

	STAND-A26-R10	ARM-50	WK-80	CEILMT-135	STAND-M100
<b>Weight Capacity</b>	7.3–16.3 kg	< 50 Kg	< 80 Kg	< 135 Kg	< 100 Kg
<b>Monitor Swivel</b>	0°	20°	0°	20°	0°
<b>Swivel (Left / Right)</b>	0°	360°	0°	180°	0°
<b>Pivot (Up / Down)</b>	+25°/-5	45°	0°	20°	0°
<b>Mounting</b>	VESA 75mm x 75mm VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm	VESA 75mm x 75mm VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm	VESA 75mm x 75mm VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm	VESA 400mm x 200mm VESA 400mm x 400mm	VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm VESA 400mm x 200mm VESA 400mm x 400mm

## Specifications

Model	AFL-26AE-AM2	AFL-26AE-GM45	AFL-642AE-AM2	AFL-642AE-GM45
LCD Size	26"		42"	
Max Resolution	1920 x 1200		1920 x 1080	
Brightness (cd/m <sup>2</sup> )	300		500	
Contrast Ratio	1000:1		2500:1	
LCD Color	16.7M			
Pixel Pitch (mm)	0.2865(H) x 0.2865(V)		0.4845(H) x 0.4845(V)	
Viewing Angle (H-V)	170°/150°		178°/178°	
Backlight MTBF (hrs)	50000		60000	
SBC Model	AFLMB-690EAM2	AFLMB2-GM45-R10	AFLMB-690EAM2	AFLMB2-GM45-R10
CPU	AMD Athlon™ 64 X2 Dual-Core Processor 5050e CPU	Celeron® M575 2.0GHz / Core™2 Duo T7500 2.2GHz / Core™2 Duo T9400 2.53GHz / Core™2 Duo P8400 2.26GHz	AMD Athlon™ 64 X2 Dual-Core Processor 5050e CPU	Celeron® M575 2.0GHz / Core™2 Duo T7500 2.2GHz / Core™2 Duo T9400 2.53GHz / Core™2 Duo P8400 2.26GHz
Chipset	AMD 690E	Mobile Intel® GM45	AMD 690E	Mobile Intel® GM45
RAM	Supports one 2GB (Maximum) 400MHz, 533MHz, 667MHz or 800MHz DDRII SO-DIMM	Supports two 2GB (Maximum) 533MHz/667MHz DDRII SO-DIMM	Supports one 2GB (Maximum) 400MHz, 533MHz, 667MHz or 800MHz DDRII SO-DIMM	Supports two 2GB (Maximum) 533MHz/667MHz DDRII SO-DIMM
I/O Ports and Switches	1 x RS-232 COM Port 1 x RS-232/422/485 COM port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x VGA Port	1 x RS-232 COM Port 1 x RS-232/422/485 COM port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button <b>1 x HDMI Port</b> 1 x Audio Port 1 x VGA Port	1 x RS-232 COM Port 1 x RS-232/422/485 COM port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port 1 x VGA Port	1 x RS-232 COM Port 1 x RS-232/422/485 COM port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button <b>1 x HDMI Port</b> 1 x Audio Port 1 x VGA Port



	<b>SSD</b>	CF Typell			
<b>Drive Bay</b>	<b>ODD</b>	CD/DVD Combo Drive (Optional)	CD/DVD Combo Drive Blu-Ray Drive (Optional)	CD/DVD Combo Drive (Optional)	CD/DVD Combo Drive Blu-Ray Drive (Optional)
	<b>HSUPA</b>	1 x HSUPA Mobile Module (USB Interface)			
<b>Watchdog Timer</b>	Software programmable supports 1~255 sec. System reset				
<b>Audio</b>	AMP 6W + 6W	AMP 5W + 5W	AMP 10W + 10W	AMP 10W + 10W	
<b>Extension</b>	1 x Wireless 802.11 b/g/n Lan Module (Mini PCIe Interface) 1 x Bluetooth Module (USB Interface)				
<b>HDD Drive Bay</b>	1 x 2.5" SATA HDD bay				
<b>HSUPA Mobile Solution (Optional)</b>	1 x HSUPA Mobile Module (USB Interface)				
<b>Construction Material</b>	ABS + PC Plastic front frame			Metal front frame	
<b>OSD function</b>	1. OSD Keypad below the Front Panel 2. Remote Control for OSD Function				
<b>LED Function</b>	1 x Power ON/OFF LED on Front Panel				
<b>Mounting</b>	Wall, Stand and Arm / VESA 200mm x 100mm			Wall, Stand and Arm / VESA 400mm x 200mm	
<b>Front Panel Color</b>	Black C				
<b>Dimension (WxHxD) (mm)</b>	624 x 427 x 97			1026 x 626 x 127	1026 x 626 x 127
<b>Operation Temperature (°C)</b>	0°C ~ 40°C With HDD 0°C ~ 45°C With CF Card or SATA interface 2.5" SSD HDD				
<b>Storage Temperature (°C)</b>	-20°C ~ 60°C				
<b>Net Weight</b>	12 Kg			35 Kg	
<b>IP Level</b>	IP64				
<b>Touch Screen</b>	Surface Accoustic Wave Type (optional)				
<b>Power Requirement</b>	100VAC~240VAC, 50/60Hz				
<b>Power Consumption</b>	187W	155W	293W	260W	

## Ordering Information

### ▶ 26" 1920 x 1200 TFT LCD

Model	Description
SAW Touch Panel	<b>AFL-26AE-AM2/WT-S/1GB-R11</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with AMD socket AM2 Athlon™ 64 X2 Dual-Core 5050e 2.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
	<b>AFL-26AE-GM45-CM575/WT-S/*(OD)/1G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Celeron® M 575 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
	<b>AFL-26AE-GM45-T7500/WT-S/*(OD)/2G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Core™2 Dou T7500 2.2GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
	<b>AFL-26AE-GM45-P8400/WT-S/*(OD)/2G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Core™2 Dou P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
	<b>AFL-26AE-GM45-T9400/WT-S/*(OD)/2G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Core™2 Dou T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
Tempered Glass Protection	<b>AFL-26AE-AM2/W/1GB-R11</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with AMD socket AM2 Athlon™ 64 X2 Dual-Core 5050e 2.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS
	<b>AFL-26AE-GM45-CM575/W/*(OD)/1G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Celeron® M 575 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless, Bluetooth, RoHS
	<b>AFL-26AE-GM45-T7500/W/*(OD)/2G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Core™2 Dou T7500 2.2GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS
	<b>AFL-26AE-GM45-P8400/W/*(OD)/2G/**(HU01)-R10</b> 26" 300cd/m <sup>2</sup> WUXGA panel PC with Core™2 Dou P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS

**AFL-26AE-GM45-T9400/W/\*(OD)/2G/  
\*\*(HU01)-R10**

26" 300cd/m<sup>2</sup> WUXGA panel PC with Core™2  
Duo T9400 2.2GHz CPU, 2GB DDR2 RAM,  
802.11 b/g/n wireless module, Bluetooth, RoHS

\* OD=CD/DVD COMBO, BD=BLU-RAY ROM

▶ **42" FULL HD TFT LCD**

Model	Description	
<b>SAW Touch Panel</b>	<b>AFL-642AE-AM2/WT-S/1GB-R11</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with AMD socket AM2 Athlon™ 64 X2 Dual-Core 5050e 2.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
	<b>AFL-642AE-GM45-CM575/WT-S/*(OD)/1G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Celeron® M 575 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, SAW touch screen, Bluetooth, RoHS
	<b>AFL-642AE-GM45-T7500/WT-S/*(OD)/2G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Core™2 Duo T7500 2.2GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module
	<b>AFL-642AE-GM45-P8400/WT-S/*(OD)/2G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module
	<b>AFL-642AE-GM45-T9400/WT-S/*(OD)/2G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module
<b>Anti-Reflective Tempered Glass Protection</b>	<b>AFL-642AE-AM2/W/1GB-R11</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with AMD socket AM2 Athlon™ 64 X2 Dual-Core 5050e 2.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS
	<b>AFL-642AE-GM45-CM575/W/*(OD)/1G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Celeron® M 575 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS
	<b>AFL-642AE-GM45-T7500/W/*(OD)/2G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Core™2 Duo T7500 2.2GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS

	<b>AFL-642AE-GM45-P8400/W/* (OD)/2G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS
	<b>AFL-642AE-GM45-T9400/W/* (OD)/2G/**(HU01)-R10</b>	42" 500cd/m <sup>2</sup> 1920 x 1080 panel PC with Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, Bluetooth, RoHS

\* OD=CD/DVD COMBO, BD=BLU-RAY ROM

[▲ TOP](#)

## Packing List

Item	P/N	Q'ty	Remark
IR Remote Controller	7Z000-8T00322ICP01G-RS	1	
Power Cord	32000-000002-RS	1	Length:1830mm
Antennas	32500-004000-RS	2	For 42" AFOLUX PPC
User's Manual CD-ROM		1	

[▲ TOP](#)

## Optional Mounting Kits

Mounting Kits		Model	
		26" LCD	42" LCD
WALL MOUNTS		WK-80	
WALL ARMS		ARM-50	
Stand	Desktop	STAND-A26	N/A
	Mobile	STAND-M100	
Ceiling Mount Kit		CEILMT135	

[▲ TOP](#)

