Faster and New SATA Flash Storage

The anti-vibration IEI SLC flash modules featured low power consumption, high performance and perfect reliability are best for SATA SSD and SATA DOM solutions. The SSD not only has much higher performance than the HDD, but also can be operated anytime due to the lack of moving parts such as motor, bearing or rotating head. In addition, the SSD is able to fulfill any specialized application in any harsh environment.

CI C

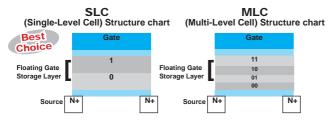
Complete Industrial SLC Solution

C F



	W	
IDE PATA	SATA 1.5Gb/s	SATA 3Gb/s
6/100/133 MB/sec.	SATA 6Gb/s	SATA 6Gb/s 3Gb/s
Fair	Better	Better
Higher	Lower	Lower
Fair	Better	Better
No	Yes	Yes
	IDE PATA i6/100/133 MB/sec. Fair Higher Fair	i6/100/133 MB/sec. SATA 6Gb/s Fair Better Higher Lower Fair Better

SLC vs. MLC Comparison Table



	SLC	MLC
Endurance (Erase cycle)	100,000	5,000-10,000
Operating Temp. Range	Support Wide Temp. -40°C~+85°C	0°C~+70°C
Power Consumption	Lower	Higher
Read/Write Performance	Better	Worse

IEI SATA Flash Module Selection

Item	IFM-3010IS(WS)/IFM-3010IL(WL) IFM-3010IPS(WPS)	IFD-2520IS (WS)		
Picture	\$			
Capacity	1GB~32GB	1GB~32GB		
Interface	SATA 6Gb/s	SATA 6Gb/s		
IDE Transfer Mode	PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-2	PIO Mode 0-4 UltraDMA Mode 0-6		
Data Transfer Rate	Read-300MB/sec. ; Write-130MB/sec.	Read-510MB/sec. ; Write-340MB/sec.		
Operating Temp.	-0°C~+70°C ; -40°C~+85°C	iFD-25102S: 0°C~+70°C iFD-2520WT: -40°C~+85°C		
Storage Temp.	-55°C~+95°C	-55°C~+95°C		
Humidity	10%~95%, non-condensing	10%~95%, non-condensing		
Vibration	20G	20G (7~2000Hz)		
Shock	1500G/10 ms	1500G/0.5 ms		
ECC Technology	High reiability based on the internail ECC function	High reiability based on the internail ECC function		
MTBF	>3,000,000 hours	>3,000,000 hours		
R/W Endurance	2,000,000 times	2,000,000 times		
Wear-Leveing	Support	Support		
DC Input Voltage	+5V single power supply operation	+5V single power supply operation		
Power Mode	Auto stand-by and sleep mode			
Power Consumption	200 mA			
Enclosure Material	PC mechanical cover	Metal mechanical cover		
Dimensions (WxLxH)	20.5 x 39.2 x 8 mm	69.8 x 100.1 x 9.3 mm		
Certificate	RoHS / CE / FCC			

Ordering Information • Industrial SATA Flash Card

Part No.	Interface	Capacity
IFM-3010IS-XXXX	Vertical SATA 6Gb/s 7 pin	1G~32G
IFM-3010WS-XXXX	Vertical SATA 6Gb/s 7 pin	1G~32G
IFM-3010IL-XXX	Vertical SATA 6Gb/s 7 pin	1G~32G
IFM-3010WL-XXXX	Vertical SATA 6Gb/s 7 pin	1G~32G
IFM-3010IPS-XXXX	Horizontal SATA 6Gb/s 7 pin	1G~32G
IFM-3010WPS-XXXX	Horizontal SATA 6Gb/s 7 pin	1G~32G

Industrial SATA 2.5" Flash Disk

Part No.	Interface	Capacity
IFD-2520IS-XXXX	SATA 6Gb/s 7+15 pin	8GB~128GB
IFD-2520WS-XXXX	SATA 6Gb/s 7+15 pin	8GB~64GB

XXXXX=Capacity-128MB/256MB/512MB/1GB/2GB/4GB/8GB/ 16GB/32GB/64GB/128GB I= Standard grade opertion temp.: 0°C~70°C W=Industrial grade opertion temp.: -40°C~85°C



Intelligent DC UPS Module

12V/9~36V DC Input, 12V DC Output Uninterruptible Power Supply Module with Diagnostics

• VESA 75 or VESA 100 mounting

• 9-36V input through terminal or power jack, or 12V through power jack only

 Battery status and charge monitoring utility. Remote network management capabilities Features

- 60W (5A @ 12V) or 100W (8.3A @ 12V) output
- 28Wh or 56Wh, for more than 140 minutes operation time (depending on panel PC power requirements)
- Rugged metal enclosure for standard VESA 75/100 mounting
 - Web-based, remote network management, no software installation required
 Local PC-based monitoring software for input detection and battery status monitoring
 - Auto shut down when battery low
- Remote DC output on/off switch for external switch installation
- Provides stable power to the PC during line sags and spikes and absorbs power surges and transients, protecting expensive equipment

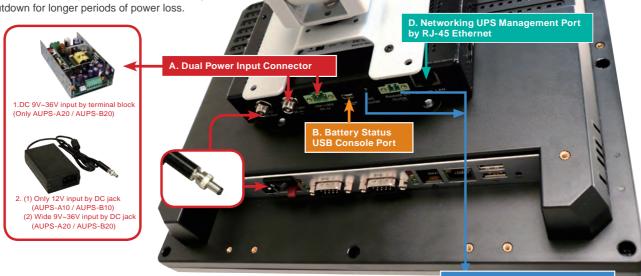


		BECOM DOW where where here LAN
Model Name	AUPS-A10 / AUPS-A20	AUPS-B10 / AUPS-B20
Innut Dower	AUPS-A10 (12V)	AUPS-B10 (12V)
Input Power	AUPS-A20 (9~36V) AUPS-B20 (9~36V)	
Dimensions (mm)	150 x 95 x 34	170 x 150 x 34
Battery Capacity	28 Wh (Watt/Hour)	56 Wh (Watt/Hour)
Output Power	60W (5A@12V)	100W (8.3A@12V)
VESA Support (mm)	75 x 75	75 x 75 / 100 x 100

Intelligent UPS Module

High Energy Density / Lightweight / Compact DC to DC UPS & Power Module

Protect your panel PC from electrical damage and greatly reduce the risk of losing data. The UPS module serves as temporary power during a short break in power and allows a safe system shutdown for longer periods of power loss.



C. DC Power Button DC Remote Power Button

	LED S	LED Signal Table				
	LED 1 也	LED 2	LED 3			
Color	Green	Yellow	Orange	A 100		
Function	Power Input	Charging Status	Battery Status			
Dark	DC Power Out					
Light	DC Power In	Discharging	Battery Full	COLON COLON RECEIPTION		
Blinking		Charging	Battery Low	1100000		





- AUPS Network Administration Tool
- Network Remote Management Anywhere



Power On/OFF

 Network Remote Management Software



Intelligent Software Utility

The remote management software utility and application program allow users to easily get the status of the AUPS and to control the AUPS power functions from anywhere with internet connection.





AUPS Remote AP Network Remote Management Software

Battery Capacity Status

IEIUPS!

UPS Status Monitoring

----> • Board configuration **Battery Monitoring Utility**

Email Status Report

Send E-Mail

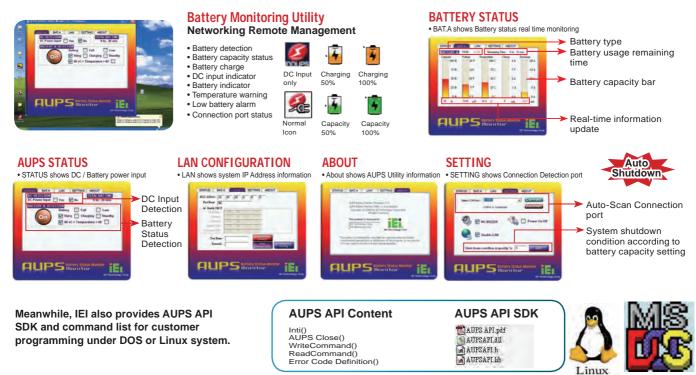
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--- > • Send E-mail

AUPS Local USB Utility Tool

Monitor the Most Critical Battery Functions on the Local Machine

The battery monitoring utility provides AUPS status monitoring and configuration ability. Uninterruptible Power Systems is a significant product that serves as emergency power when you suffer from electric event.



AUPS API SDK/Content

AUPS Module Specifications

	Model Name	AUPS-A10	AUPS-A20	AUPS-B10 AUPS-B20		
	VESA Type	VESA 75	VESA 75	VESA 75 and 100 VESA 75 and 100		
	Input voltage Uinated/range	DC +12V	DC +9V~+36V	DC +12V	DC +9V~+36V	
	Input current rated	1. Adapter is 12V-6A (Load is 60W) 2. Battery is 6V-12A (Load is 60W)		1. Adapter is 12V-9A (Load is 100W) 2. Battery is 12V-9A (Load is 100W)		
Input Data	Standby power consumption		0.3A (0.2A if Network	Management disabled)		
	Operation with charging current		500)mA		
	Operation with charging power consumption	6'	W	10	W	
	Charging time with system ON/OFF		8hrs / 2hrs (E	Battery empty)		
	Output voltage for normal operation		DC +12	V +/-5%		
	Output voltage for battery operation(approx).	6~8.4V DC6 V (exhaust	ive discharge protection)	12~16.8V DC12 V (exhau	stive discharge protection)	
Output Data	Output current	0A-	~5A	0A~8.3A		
	Efficiency (nominal operation) / power loss at Vin=12V, lout=80% of full loading	89%	93%	95%	94%	
	Short-circuit protection		Y	es		
Protection	Exhaustive discharge protection		2. Shuntdown 5% of ba	% of battery capacity attery capacity (Default) discharge voltage is 6V		
	EMC / Safety certification		CE,	FCC		
	Ethernet interface	Web-b	ased, specification 10/100Mbp	s with RJ-45 connection, Cat.	5 cable	
Monitoring	USB interface	PC-capable, specification 2.		Standard 4-core shielded cab DC-UPS	le, USB Series "mini B" con-	
Physical	Dimensions (LxWxH)	152mm x 96	imm x 28mm	174mm x 14	7mm x 35mm	
Physical	Weight	1.2 kg 1.8 kg			s kg	
	Green	DC power input				
LED Indicator	Yellow	Battery charging				
	Orange	Bettery discharging				
Environment	Operating Tem.	0°C~40°C				
Environment	Storage Tem.	-20°C~50°C				

Note1: Connecting DC input constantly is recommended. Battery will be drained after 14 hours.

Note2: System power consumption + AUPS charging power consumption = Total watts of power source

Battery Module Specifications

Model Name		AUPS-A10	AUPS-A20	AUPS-B10	AUPS-B20	
Battery Model Name		BAT-LI-2S2	BAT-LI-2S2P3800		P3800	
	Battery type	Li-Ion 2S2P 7.4V		Li-Ion 4S2P	14.8V	
	Battery capacity	7.4V 3800	mAH	14.8V, 3800) mAH	
	Maximum charge voltage	8.4V		16.8	1	
	The end of discharging voltage	5.6V		11.2V	,	
	Recommended charging current (max.)	2A		2A		
	System continuous discharging current (max.)	7.6A		7.6A		
	The end of charge condition	250mA / 1Min		200mA / 1Min		
	Discharge protection	Under voltage protection / Over current protection				
Battery	Charge protection	Over voltage protection / Over current protection				
	Ambient temperature	0°C~40°C				
	Storage temperature	-20°C~60°C				
	Self-discharge rate		340u	A~440uA		
	Dimensions (LxWxH)	139mm x 47mr	n x 26mm	165mm x 76mr	n x 26mm	
	Weight	236g		450g		
	Cycle life	300 charge / d		e / discharge cycles		
	Backup	60W / 10	Min	100W / 10Min		
	Safety class CE, F		, FCC			

Note: Replacing battery module every 2 years is recommended.

Selection Table for UPS Modules and Main Buffering Time

AFOLUX PPC	AUPS-A10	AUPS-A20	AUPS-B10	AUPS-B20			
Under 50W solution							
AFL-057-LX (15W~20W)	145min	145min	290min	290min			
AFL-07A-N270 (20W~25W)	100min	100min	200min	200min			
AFL-08AH-N270 (25W~30W)	70min	70min	140min	140min			
AFL-10A-N270 (25~30W)	70min	70min	140min	140min			
AFL-10A-9103 (40W~45W)	50min	50min	100min	100min			
AFL-10A-LX (25W~30W)	70min	70min	140min	140min			
AFL-12A-LX (25W~30W)	70min	70min	140min	140min			
AFL-12B-CX2 (38W~42W)	50min	50min	100min	100min			
AFL-12A-N270 (25W~30W)	70min	70min	140min	140min			
AFL-12B-9103 (45W~48W)	45min	45min	90min	90min			
	50W ~ 10	00W solution					
AFL-15B-915-CM370 (58W~63W)	-	-	35min	35min			
AFL-15C-9652-T7500 (65W~70W)	-	-	30min	30min			
AFL-17B-915-CM370 (75W~80W)	-	-	25min	25min			
AFL-17C-9652-T7500 (85W~90W)	-	-	20min	20min			
AFL-19B-915-CM370 (75W~80W)	-	-	25min	25min			
AFL-19C-9652-T7500 (85W~90W)	-	-	20min	20min			



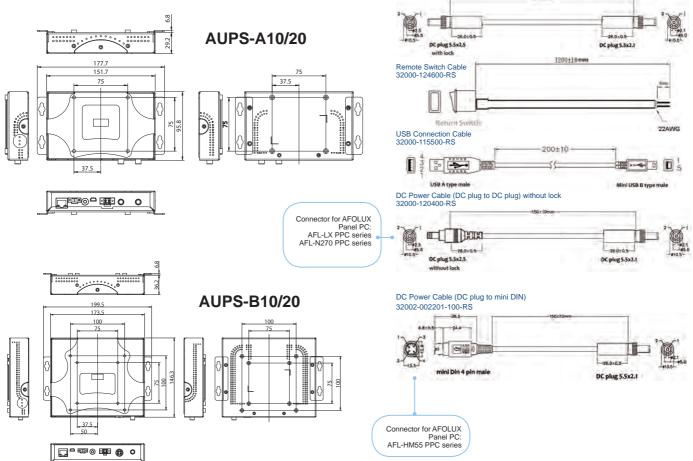


BAT-LI-2S2P3800

BAT-LI-4S2P3800

Note: The backup time could be varied on different models or operating temperature.

AUPS Mechanical Drawing (Unit: mm)



DC Power Cable (DC plug to DC plug) with lock 32000-115300-RS

Ordering Information

Part No.	Description
AUPS-A10-R11	VESA 75, DC 12V input, 12V output 60W UPS module with 3800mAH, 2S2P Li-ion battery
AUPS-A20-R11	VESA 75, DC 9~36V input, 12V output 60W UPS module with 3800mAH, 2S2P Li-ion battery
AUPS-B10-R11	VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH, 2S4P Li-ion battery
AUPS-B20-R11	VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH, 2S4P Li-ion battery
BAT-LI-2S2P3800 (AUPS-A10/20)	Smart battery; TE9IC032K1002; Lithium ion battery (S2P); 7.4V; 3800mAh; RoHS
BAT-LI-4S2P3800 (AUPS-B10/B20/C20)	Smart battery; TE9IC042K1002; Lithium ion battery (4S2P); 14.8V; 3800mAh; RoHS

Packing List

ltem	DC power cable, 300mm, male 4-pin mini-DIN to DC plug 5.0 x 2.1 (AUPS-B10/B20/C20 only)	DC power cable, 150mm, DC plug 5.5 x 2.1 to DC plug 5.0 x 2.5 without lock	USB cable, 200mm, USB type A male to mini USB	Remote switch cable, 1200mm	Screw kit	Utility CD (including utility software and user's guide)
Part Number	32002-002201-100-RS	32000-120400-RS	32000-115500-RS	32000-124600-RS	44013- 030041-RS	7B000-000087-RS
Q'ty	1	1	1	1	1	1
			1	0		

IDD-930160-KIT

60 W DC/DC Converter Module for AFOLUX Panel PC and Monitor

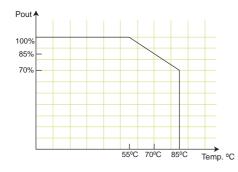


Specifications

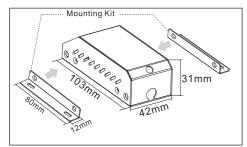
Typical Applications

- Input voltage: 9-30 VDC
- Input current: Max. 8.2 A at 9 VDC
- Output: 12 V@5 A
- Max. total output: 60W
- Performance characteristics: Noise and ripple: <120 mV Line regulation: <2.5% Load regulation: <2.5%
- Transient toggle rate: 250 Hz (50% duty ratio)
- Transient current step:
- From 0% to 50% and 50% to 100% of max current
- Efficiency: typ. 95% (Vin=12 V, 80% of full load)
- Dimensions: 42 mm x 103 mm x 31 mm
- Mounting kit: 12 mm x 80 mm
- Cable length: 180 cm
- Operating temperature: -10°C~55°C
- Load down protection





Dimensions (Millimeters)



Packing Information

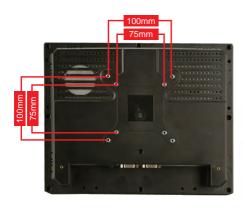
1 x IDD-930160-KIT-R20
1 x Mounting kit
1 x Screw kit
1 x Anti-slip strip
1 x Utility CD

Connects to car cigarette lighter

Ordering Information

Part No.	Description
IDD-930160-KIT-R20	60 W DC/DC 9-30 VDC input vehicle power adapter

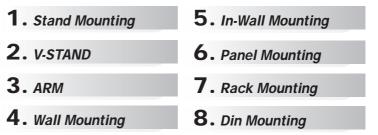
IEI Quick Mounting Technology



Compliant with VESA Mounting Standards

IEI panel solutions have four mounting holes compliant with the VESA (Video Electronics Standards Association) mounting standard (75mm x 75mm/100mm x 100mm) on the rear panel for stand mounting and other mounting methods.



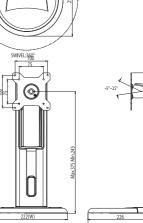


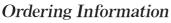
1. Stand Mounting

VESA 75/100 Universal Stand



Right/Left Pan (360°)





Part No.	Description
STAND-A21-R10	15"~21" VESA 75x75 mm/100x100 mm PPC/Monitor Stand, support from 6 KG to ~12 KG, Black, RoHS

Forward/Backward Tilt (+25°/-5°)



Ordering Information

Part No.	Description
STAND-100-RS	 Material: Heavy-duty steel Adjustable display angle 3kg to 8kg loading capacity Color: White (Pantone 413C)

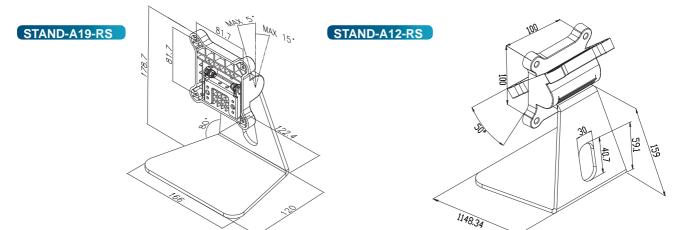
Ordering Information

0	
Part No.	Description
STAND-210-R11	Support VESA 75/100 standard Weight capacity from 7kg~10kg

VESA 75/100 Easy Stand







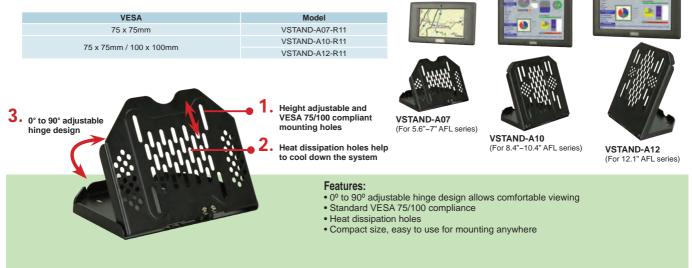
Ordering Information

Part Number	Description
STAND-B08	5.6"~8.4" VESA 75x75mm PPC/monitor stand, support up to 5 kg, Silver color, RoHS
STAND-C12-R10	5.7" ~ 12.1" VESA 100x100mm, 75x75mm PPC/Monitor Stand, support up to 7.5kg, Black color, RoHS
STAND-A12-RS	10"~12.1" VESA 100x100mm PPC/monitor stand, support up to 5 kg, Silver color, RoHS
STAND-A19-RS	12.1"~19" VESA 100x100mm PPC/monitor stand, support up to 7.5 kg, Silver color, RoHS

2. V-STAND

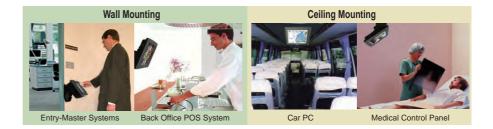
VESA Multi-Mounting Stand

IEI patented multi-mounting V-Stand allows wall, ceiling, desk, rear and side mounting to meet diverse applications. Its 0° to 90° adjustable hinge design provides optimal viewing in various environments, such as kitchen, room or shelf.



A. One fits all solution

The V-Stand is a compact and tilt adjustable mounting stand providing mobility and ergonomic comfort to fit common wall mounting and ceiling mounting situations.



B. 0° to 90° excellent adjustability

You can change the angle of the stand from 0° to 90° to reach almost any point with ergonomic features for comfortable viewing.



POS System

Self-ordering System

C. Space saving and easy installation

Compact size provides mobility





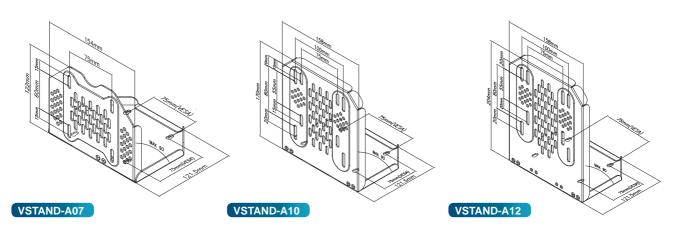
1: Tighten the screws in the rear of the AFOLUX PPC VESA mounting holes



2: Select the position to mount stand kit



3: Plug in the system to operate



Ordering Information

Part No.	Description	
VSTAND-A07-R11	LCD monitor / PPC stand V type, for AFL series, VESA 75, 0°~90° degree adjustable hinge, support up to 2.5 kg, RoHS	
VSTAND-A10-R11	LCD monitor / PPC stand V type, for AFL series, VESA 75/100, 0°~90° degree adjustable hinge, support up to 3 kg, RoHS	
VSTAND-A12-R11	LCD monitor / PPC stand V type, for AFL series, VESA 75/100, 0°~90° degree adjustable hinge, support up to 3.5 kg, RoHS	

3. ARM

VESA 75/100 Desk ARM

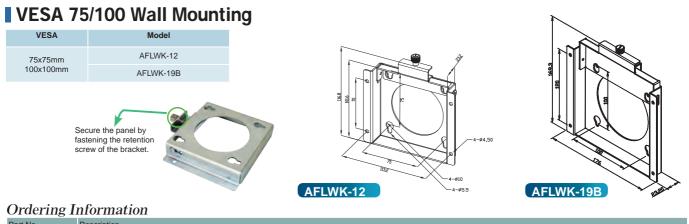
VESA N	Vodel
75x75mm/100x100mm	ARM-11-RS
A 2011/10/2011/00/10/11/11	ARM-31-RS

Ordering Information

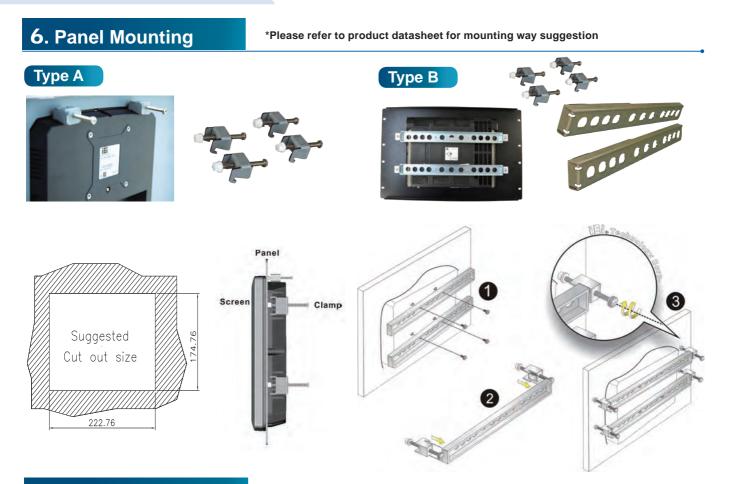
Part No.	Description
ARM-11-RS	LCD Monitor / PPC ARM, VESA 75/100, 3kg~6kg, RoHS
ARM-31-RS	LCD Monitor / PPC ARM, VESA 75/100, 7kg~14kg, RoHS



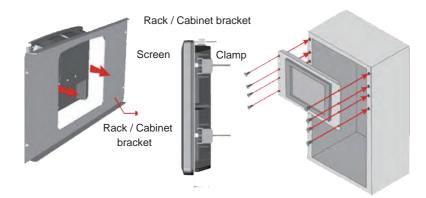
4. Wall Mounting



- 1	Part No.	Description
- 5	AFLWK-12	5.6"~12" VESA 75x75mm PPC/Monitor Wall Mount Kit with Retention Screw, Silver color, RoHS
	AFLWK-19B	15"~19" VESA 100x100mm PPC/Monitor Wall Mount Kit with Retention Screw, Silver color, RoHS



7. Rack Mounting



Ordering Information

Part No.	Description
AFLRK-xx	For AFOLUX PPC/Monitor Series

8. Din Mounting

