

CPU Cooler *High performance thermal solutions*

Choosing the wrong CPU cooler for a system can lead to serious overheating, resulting in system shutdown and potential damage to CPUs.

For industrial applications, the following CPU coolers fit the needs of various operating environments, where different levels of cooling are required.

IEI Special Desktop Core™ CPU Cooler					
			 <i>New</i>		 <i>New</i>
Where Used	For special models: SPCIE-C2260, PCIE-Q870, PCIE-H810, WSB-H810, KINO-AQ870				
Model Name	CF-1150SA-R10	CF-1150SB-R11	CF-1150SC-R20	CF-1150SE-R11	CF-1150SF-R10
Description	IEI customized cooler for LGA1150 Intel® CPU, RoHS	IEI customized cooler for LGA1150 Intel® CPU, 1U chassis compatible, RoHS	IEI customized cooler for LGA1150 Intel® CPU, RoHS	IEI customized cooler for LGA1150 Intel® CPU, RoHS	IEI customized cooler for LGA1150 Intel® CPU, RoHS
CPU Solution	Intel® Core™ i7/i5	Intel® Core™ i7/i5	Intel® Core™ i7/i5	Intel® Core™ i7/i5	Intel® Core™ i7/i5
Socket Solution	LGA1150/LGA1151	LGA1150/LGA1151	LGA1150/LGA1151	LGA1150/LGA1151	LGA1150/LGA1151
Dimensions (mm)	83 x 83 x 57	96 x 82 x 60	105 x 80 x 23.7	107 x 61 x 60	107 x 70 x 35
Material	Al	Al	Cu	Cu	Al
Bearing Type	Ball And sleeve	Two-ball	Two-ball	Two-ball	Two-ball
Capability (Watt)	95 W	65 W	65 W	95 W	54 W
Fan Speed (RPM)	4200	3500	5500	4200	4500
Noise Level (dBA)	40	41	55	36	39
Life Expectancy (hrs)	40,000	50,000	50,000	50,000	50,000
Weight	330 g	286 g	406 g	812 g	220 g

Desktop Core™ CPU Cooler					
					
	LGA1355/1356/2011				
Model Name	CF-1356A-RS	CF-1356B-RS	CF-2011A-RS	CF-2011B-RS	
Description	High performance LGA1355/1356/2011 cooler kit				
CPU Solution	Intel® Xeon® E5-2400		Intel® Xeon® E5-2600		
Socket Solution	LGA1355/1356	LGA1355/1356	LGA2011	LGA2011	
Dimensions (mm)	89 x 80 x 27	89 x 90 x 24	89 x 88 x 27.2	89 x 88 x 45.1	
Material	Copper				
Bearing Type	Two-ball	Ball and sleeve	Two-ball	Ball and sleeve	
Capability (Watt)	60 W	95W	130W	130W	
Fan Speed (RPM)	4500	5500	5500	4500	
Noise Level (dBA)	51	42	55	42	
Life Expectancy (hrs)	50000	40000	50000	40000	
Weight	55g	50g	55g	50g	

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For industrial applications, the following CPU coolers fit the needs of various operating environments, where different levels of cooling are required.

Intel® Standard Desktop Core™ CPU Cooler				
		 <i>New</i>		
LGA115X (LGA1150/LGA1151/LGA1155/LGA1156)				
Model Name	CF-1156A-RS-R11	CF-115XE-R10	CF-1156C-RS	CF-1156D-RS
Description	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible	High performance LGA1155/LGA1156 CPU cooler, RoHS	Low power LGA1155/LGA1156 cooler kit, RoHS	
CPU Solution	Intel® Core™ i5/i3	Intel® Xeon®/Core™ i7/i5/i3	Intel® Core™ i5/i3	Intel® Core™ i7/i5/i3
Socket Solution	LGA115X (LGA1150/LGA1151/LGA1155/LGA1156)			
Dimensions (mm)	89 x 92.6 x 27.4	91 x 91 x 84	90 x 90 x 33	90 x 90 x 33
Material	Cu	Al	Al	Cu+Al
Bearing Type	Two-ball	Ball and Sleeve	Two-ball	Two-ball
Capability (Watt)	73 W	95 W	45 W	65 W
Fan Speed (RPM)	5500	4200	3000	3000
Noise Level (dBA)	51	40	33.4	33.4
Life Expectancy (hrs)	50,000	40,000	50,000	50,000
Weight	422 g	301 g	192 g	227 g
Desktop CPU Cooler				
	 Heat Pipes Inside			
LGA775 Cooler				
Model Name	CF-775A-RS	CF-775B-RS-R11	CF-520-RS-R11	Pentium® 4 Cooler
Description	High performance LGA 775 CPU cooler, with two copper pipes, RoHS	High performance 1U LGA 775 CPU cooler, with 7010 fan, RoHS	High performance LGA 775 CPU cooler, RoHS	High performance copper Socket 478 CPU cooler, RoHS
CPU Solution	Intel® Core™2 Quad	Intel® Core™2 Duo	Intel® Core™2 Duo	Intel® Pentium® 4
Socket Solution	LGA 775	LGA 775	LGA 775	Socket 478
Dimensions (mm)	92 x 92 x 73	80.5 x 81 x 28.2	115 x 115 x 67	92 x 92 x 67
Material	Cu-Al	Cu	Aluminum alloy	Cu
Bearing Type	Rifle	Two-ball	Two-ball	Rifle
Capability (Watt)	130 W	90 W	115 W	115 W
Fan Speed (RPM)	3600	4250	4500	3600
Noise Level (dBA)	36.6~39.6	40	47.5~51.5	39.6
Life Expectancy (hrs)	40,000	50,000	70,000	40,000
Weight	492 g	600 g	635 g	390 g

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All-in-One System

CPU Cooler *High performance thermal solutions*

	Desktop CPU Cooler			CPU Cooler
	Pentium® 4 Cooler	Pentium® 3 Cooler	Blower	
Model Name	CF-478B-RS-R11	CF-514-RS	CF-370A-RS	BF-02-RS
Description	High performance heat pipe Socket 478 1U CPU cooler, RoHS	High performance skiving I Intel® Pentium® 4 CPU cooler, RoHS	High performance slim type Socket 370 CPU cooler, RoHS	Bracket cooling fan, RoHS
CPU Solution	Intel® Pentium® 4	Intel® Pentium® 4	Intel® Pentium® 3	Breaket cooling fan
Socket Solution	Socket 478	Socket 478	Socket 370	
Dimensions (mm)	89 x 76 x 26	83 x 70 x 55	50 x 52 x 20	112 x 90 x 21
Material	Cu-Al	Aluminum alloy	Cu-Al	Plastic
Bearing Type	Two-ball	Two-ball	Two-ball	One-ball
Capability (Watt)	86 W	86 W	40 W	
Fan Speed (RPM)	4800	4800	5500	2800
Noise Level (dBA)	40	42.4	32.1	28
Life Expectancy (hrs)	50,000	50,000	40,000	45,000
Weight	25 g	284 g	62 g	107.5 g

	Mobile Core™ i7 CPU Cooler		Mobile CPU Cooler	
	PGA989	CF-989B-RS-R11	CF-479B-RS	CF-518-RS
Model Name	CF-989A-RS-R12	CF-989B-RS-R11	CF-479B-RS	CF-518-RS
Description	High performance Socket-G (PGA989) smart fan CPU cooler, RoHS	High performance Socket-G (PGA989) CPU cooler, aluminum, RoHS	High performance Socket 479, M and P Intel® Pentium® M CPU cooler, RoHS	High performance Intel® Pentium® M CPU cooler, RoHS
CPU Solution	Intel® Core™ i7/i5/i3	Intel® Core™ i7/i5/i3	Intel® Pentium® M, Core™2 Duo (Mobile)	Intel® Pentium® M
Socket solution	PGA989	PGA989	Socket 479	Socket 479
Dimensions (mm)	60 x 60 x 27.5	60 x 60 x 27.5	50 x 50 x 16	60 x 60 x 26
Material	Cu	Al	Al	Aluminum alloy
Bearing Type	Two-ball	Two-ball	Two-ball	Two-ball
Capability (Watt)	55 W	50 W	50 W	20 W
Fan Speed (RPM)	4800	4800	5500	5000
Noise Level (dBA)	40	40	30.1	36.1
Life Expectancy (hrs)	50,000	50,000	50,000	50,000
Weight	255 g	26 g	19 g	116 g

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All-in-One System

Industrial SATADOM Series

The world's smallest high-speed SATADOM

The revolutionary form factor of SATADOM has been widely adopted by industrial and embedded system makers across the globe. With in-house designed SATA 6Gb/s controller, the SATADOM provides you not only the fastest read/write speed but also stable data transfer. Moreover, to address customer's challenging requirements, we have released a series of the smallest SATADOM which fits various kinds of compact systems. Here, we recommend five models by different heights. For the low-profile 1U system use, you can choose SL 3SE, SH 3SE, and SH 3ME.

SATA 6Gb/s Solutions

Powerful Performance

SATA 6Gb/s devices have 191% higher performance than SATA 3Gb/s devices.

Less Power Consumption

The advanced idle mode helps to save up to 35% of energy when system stays in idle, therefore the battery runtime increases and the system requests less power consumption than SATA 3Gb/s.

Greater Reliability

The in-house designed SATA 6Gb/s controller offers an excellent signal quality during data transfer, enhancing the system compatibility and stability.

Easier Use

Along with upgrading to SATA 6Gb/s, the one-touch activation mode of iSMART 3.2 can save hours of setup and maintenance time.

Model Name	IFM-3010V	IFM-3320M	IFM-3010L	IFM-3010H	IFM-3020-HM	
Picture						
Key Features	1. Vertical version 2. Anti-vibration mechanical design	1. Vertical version 2. Writing protection 3. Anti-vibration mechanical design	1. SATA 6Gb/s interface 2. iSMART disk health monitoring 3. Intelligent error recovery system 4. Excellent data transfer speed 5. Zero mechanical interference 6. Anti-vibration mechanical design	1. Horizontal version 2. Only exposes 12mm height on the motherboard after installation	1. Low profile horizontal design 2. High IOPS	
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	
Flash Type	SLC	MLC	SLC	SLC	MLC	
Capacity (GB)	1GB~32GB	8GB~128GB	1GB~32GB	1GB~32GB	8GB~128GB	
Sequential R/W	300/130	355/135	300/130	300/130	200/75	
Max. Power Consumption	0.65W (5V x 130mA)	1W (5V x 200mA)	0.65A (5V x 130mA)	0.65W (5V x 130mA)	1.8W (5V x 370mA)	
Thermal Sensor	Wide temperature model only	Wide temperature model only	Wide temperature model only	Wide temperature model only	Wide temperature model only	
ATA Security	Yes	Yes	Yes	Yes	Yes	
S.M.A.R.T	Yes	Yes	Yes	Yes	Yes	
Dimensions (mm)	20.9 x 39.5 x 7.9	25.3 x 41.5 x 6.8	32.5 x 29.5 x 8.0	18.1 x 30.5 x 12	18.0 x 30.3 x 12.5	
Environment	Vibration: 20G@7~2000Hz, Shock: 1500G@0.5ms, Storage Temperature: -55°C ~ +95°C, MTBF: >3 million hours					
P/N	Standard (0°C~+70°C)	IFM-3010IS-1GB IFM-3010IS-2GB IFM-3010IS-4GB IFM-3010IS-8GB IFM-3010IS-16GB IFM-3010IS-32GB	IFM-3320IM-8GB-R20 IFM-3320IM-16GB-R20 IFM-3320IM-32GB-R20 IFM-3320IM-64GB-R20 IFM-3320IM-128GB-R20	IFM-3010IL-1GB IFM-3010IL-2GB IFM-3010IL-4GB IFM-3010IL-8GB IFM-3010IL-16GB IFM-3010IL-32GB	IFM-3010IPS-1GB IFM-3010IPS-2GB IFM-3010IPS-4GB IFM-3010IPS-8GB IFM-3010IPS-16GB IFM-3010IPS-32GB	IFM-3020IPSM-8GB-R20 IFM-3020IPSM-16GB-R20 IFM-3020IPSM-32GB-R20 IFM-3020IPSM-64GB-R20 IFM-3020IPSM-128GB-R20
	Wide Temperature (-40°C~+85°C)	IFM-3010WS-1GB IFM-3010WS-2GB IFM-3010WS-4GB IFM-3010WS-8GB IFM-3010WS-16GB IFM-3010WS-32GB	IFM-3320WM-8GB-R20 IFM-3320WM-16GB-R20 IFM-3320WM-32GB-R20 IFM-3320WM-64GB-R20 IFM-3320WM-128GB-R20	IFM-3010WL-1GB IFM-3010WL-2GB IFM-3010WL-4GB IFM-3010WL-8GB IFM-3010WL-16GB IFM-3010WL-32GB	IFM-3010WPS-1GB IFM-3010WPS-2GB IFM-3010WPS-4GB IFM-3010WPS-8GB IFM-3010WPS-16GB IFM-3010WPS-32GB	IFM-3020WPSM-8GB-R20 IFM-3020WPSM-16GB-R20 IFM-3020WPSM-32GB-R20 IFM-3020WPSM-64GB-R20 IFM-3020WPSM-128GB-R20

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All-in-One System

Industrial SSD Series

■ Breakthrough Technology of IFD-2530ISM & IFD-2530ISMD

With the release of the brand-new designed firmware algorithm, IFD-2530ISM and IFD-2530ISMD offer outstanding read and write performance and extended lifespan, and are compliant with the JEDEC 219 specifications. In addition, with the iData Guard Technology, IFD-2530ISM and IFD-2530ISMD support data integrity in the event of abnormal power failure. The wide operating temperature ranges from -40 °C to 85 °C.



Features of IFD-2530ISM & IFD-2530ISMD

IFD-2530ISM and IFD-2530ISMS provide a wide range demand of capacity. IFD-2530ISMD even supports large capacity up to 2TB.

	IFD-2530ISM	IFD-2530ISMD
DRAM-less Design	●	
Price	●	
Random Transfer Performance	R: 31,000 IOPS/W: 40,000 IOPS (128GB)	R: 70,000 IOPS/W: 64,000 IOPS (128GB)
Easy to Design in Small Form Factors	●	
Low Power Consumption	●	●
TRIM	●	●

Model Name	2.5" SATA 6Gb/s IFD-2520IS	2.5" SATA 6Gb/s IFD-2530ISMD	2.5" SATA 6Gb/s IFD-2530AM
Picture			
Key Features	1. Intelligent error recovery system 2. Excellent data transfer speed 3. Enhanced power cycling management	1. EverGreen L ² architecture 2. 7mm height mechanical design 3. Excellent random performance	1. 7mm height mechanical design 2. Low power consumption 3. Budget-friendly MLC-based solution
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Flash Type	SLC	MLC	MLC
Capacity (GB)	8GB~128GB	8GB~1TB	8GB~256GB
Sequential R/W	510/340	520/450	430/190
Max. Power Consumption	2.2W (5V x 450mA)	5W (5V x 1A)	1.7W (5V x 335 mA)
Thermal Sensor	Wide temperature model only	Wide temperature model only	Wide temperature model only
ATA Security	Yes	Yes	Yes
S.M.A.R.T	Yes	Yes	Yes
Dimensions (mm)	69.8 x 100.1 x 9.3	70.0 x 100.0 x 6.8	69.8 x 100.1 x 7.0
Environment	Vibration: 20G@7~2000Hz, Shock: 1500G@0.5ms, Storage Temperature: -55°C ~ +95°C, MTBF: >3 million hours		
P/N	Standard (0°C~+70°C) IFD-2520IS-8GB IFD-2520IS-16GB IFD-2520IS-32GB IFD-2520IS-64GB IFD-2520IS-128GB	IFD-2530ISMD-8GB-R10 IFD-2530ISMD-16GB-R10 IFD-2530ISMD-32GB-R10 IFD-2530ISMD-64GB-R10 IFD-2530ISMD-128GB-R10 IFD-2530ISMD-256GB-R10 IFD-2530ISMD-512GB-R10 IFD-2530ISMD-1TB-R10	IFD-2530AM-8GB-R20 IFD-2530AM-16GB-R20 IFD-2530AM-32GB-R20 IFD-2530AM-64GB-R20 IFD-2530AM-128GB-R20 IFD-2530AM-256GB-R20
	Wide Temperature (-40°C~+85°C) IFD-2520WT-8GB IFD-2520WT-16GB IFD-2520WT-32GB IFD-2520WT-64GB IFD-2520WT-128GB	IFD-2530ISMD-8GB-R10 IFD-2530ISMD-16GB-R10 IFD-2530ISMD-32GB-R10 IFD-2530ISMD-64GB-R10 IFD-2530ISMD-128GB-R10 IFD-2530ISMD-256GB-R10 IFD-2530ISMD-512GB-R10 IFD-2530ISMD-1TB-R10	IFD-2530AWM-8GB-R20 IFD-2530AWM-16GB-R20 IFD-2530AWM-32GB-R20 IFD-2530AWM-64GB-R20 IFD-2530AWM-128GB-R20 IFD-2530AWM-256GB-R20

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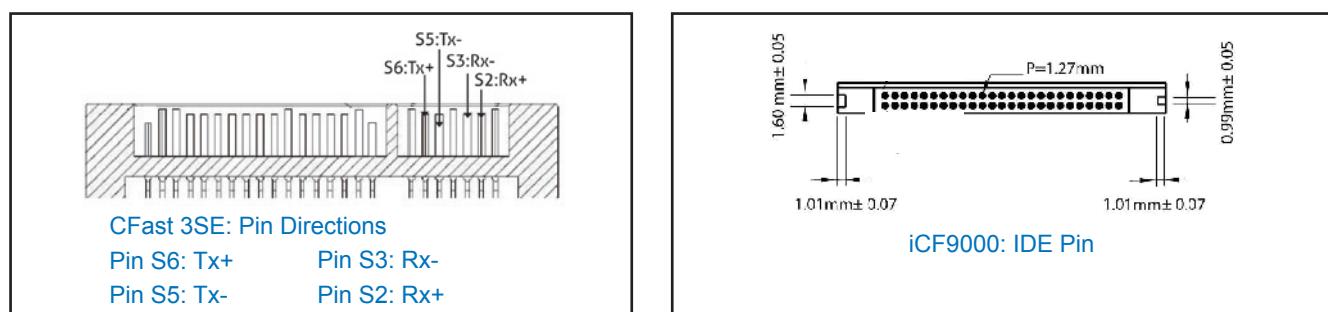
Industrial CFast & CF Card Series

■ Similar size, different read and write speeds

With a similar size, CFast is mainly different from CF card in its interface, connector, and most importantly, faster read and write speeds. CFast, with SATA 6Gb/s interface and 7-pin plus 17-pin connector, offers data transfer rates of sequential reads up to 470 MB/sec and of sequential writes up to 250 MB/sec. CF card, with PATA interface and 50-pin CF connector, offers data transfer rates of sequential reads up to 100 MB/sec and of sequential writes up to 95 MB/sec.

■ ATA security for CF card

The optional ATA Security Mode feature set is a password system that restricts access to user data stored on a device. The purpose is to prevent unauthorized access or a virus.



Model Name	ICT-2000 AS	ICT-2000 AM	ICF-9000	ICF-2000	ICF-1000		
Picture							
Capacity	2GB~64GB	8GB~128GB	4GB~32GB	512MB~8GB	128MB~8GB		
Sequential R/W (Max.)	285/260 MB/sec	310/240 MB/sec	110/100 MB/sec	40/30 MB/sec	40/28 MB/sec		
Flash Type	SLC	MLC	SLC	SLC	SLC		
IDE Transfer Mode	Yes	Yes	PIO mode 0-6 MwDMA mode 0-4 UltraDMA mode 0-7	PIO mode 0-4 MwDMA mode 0-4 UltraDMA mode 0-4	PIO mode 0-4 MwDMA mode 0-4 UltraDMA mode 0-4		
Operating Temp.	0°C~+70°C (Standard)/-40°C~+85°C (Industrial)						
Storage Temp.	-40°C~+100°C		-55°C~+95°C		-40°C~+100°C		
Vibration/Shock (7/2000Hz)/(0.5ms)	Vibration: 15 (G), 10~2000 (Hz) Shock: 1,500 G, 0.5 ms		1500G/0.5ms		1500G/0.5ms		
DC Power Input	Supply voltage: 3.3V		ICF: +3.3V~+5V single power supply operation		Supply voltage: 3.3V & 5V		
Power Consumption (Max.)	390mA	525mA	0.75W (5V x 125mA@210mA)				
Dimensions (mm)	42.8 x 36.4 x 3.6		42.8 x 36.4 x 3.3		42.8 x 36.4 x 3.3		
ATA Security	Yes	Yes	Yes	Yes	Yes		
S.M.A.R.T	Yes	Yes	Yes	Yes	No		
P/N	STD (0°C~+70°C)	ICT-2000IA-2GB ICT-2000IA-4GB ICT-2000IA-8GB ICT-2000IA-16GB ICT-2000IA-32GB ICT-2000IA-64GB	ICT-2000IAM-8GB ICT-2000IAM-16GB ICT-2000IAM-32GB ICT-2000IAM-64GB ICT-2000IAM-128GB	ICF-9000CD-4GB ICF-9000CD-8GB ICF-9000CD-16GB ICF-9000CD-32GB	ICF-2000IPD-512MB ICF-2000IPD-1GB ICF-2000IPD-2GB ICF-2000IPD-4GB ICF-2000IPD-8GB	ICF-1000IPD-1GB-R20 ICF-1000IPD-2GB-R20 ICF-1000IPD-4GB-R20 ICF-1000IPD-8GB-R20	ICF-1000IA-128MB-R20 ICF-1000IA-256MB-R20 ICF-1000IA-512MB-R20 ICF-1000IA-1GB-R20 ICF-1000IA-2GB-R20 ICF-1000IA-4GB-R20 ICF-1000IA-8GB-R20
	WT (-40°C~+85°C)	ICT-2000WA-2GB ICT-2000WA-4GB ICT-2000WA-8GB ICT-2000WA-16GB ICT-2000WA-32GB ICT-2000WA-64GB	ICT-2000WAM-8GB ICT-2000WAM-16GB ICT-2000WAM-32GB ICT-2000WAM-64GB ICT-2000WAM-128GB	ICF-9000WD-4GB ICF-9000WD-8GB ICF-9000WD-16GB ICF-9000WD-32GB	ICF-2000WPD-512MB ICF-2000WPD-1GB ICF-2000WPD-2GB ICF-2000WPD-4GB ICF-2000WPD-8GB	ICF-1000WPD-1GB-R20 ICF-1000WPD-2GB-R20 ICF-1000WPD-4GB-R20 ICF-1000WPD-8GB-R20	ICF-1000WA-128MB-R20 ICF-1000WA-256MB-R20 ICF-1000WA-512MB-R20 ICF-1000WA-1GB-R20 ICF-1000WA-2GB-R20 ICF-1000WA-4GB-R20 ICF-1000WA-8GB-R20

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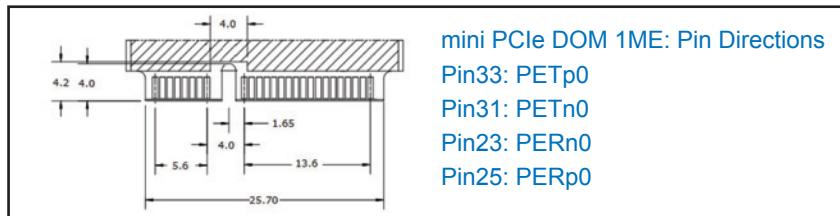
Industrial Mini PCIe DOM & mSATA Series

■ Co-layout design of Mini PCIe DOM and mSATA

For manufacturers or system integrators, the exciting benefit is they can have a circuit board with co-layout design of Mini PCIe DOM and mSATA. This feature allows users to enjoy wider applications by installing optional Mini PCIe DOM or mSATA in the same placement site.

■ Mini PCIe DOM: For conventional main board, better performance than CF card

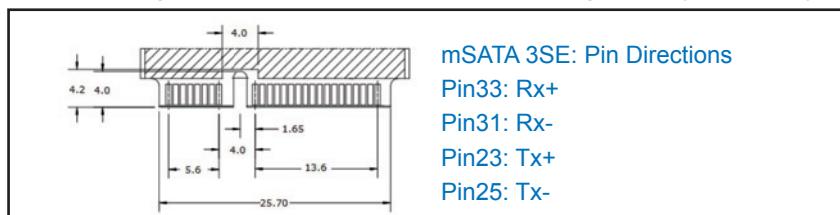
We have realized IPC customers need a steady supply for their design-in cases by using Mini PCIe DOM or CF card as boot drive or storage. However, Mini PCIe DOM obviously has better performance in read/write over 4 times than CF card. Boasting its easy use in plug-and-play and driverless (Windows XP and above) capabilities, the Mini PCIe DOM is no doubt the best choice for the conventional motherboard. In the following table, we recommend one cost-effective MLC model and one reliable SLC model.



■ mSATA: For space-limited main board, up to read/write speed of 470/220 MB/sec

Nowadays, more and more compact gadgets are designed to satisfy eager users. Smaller than a business card, the mSATA has become the must-have storage to deliver instant data transfer.

In the following table, we recommend five models categorized by the flash type and size.



Model Name	IPE-5300IM/WM	IPE-5320IM/WM	IPE-5320AM/AWM	IPE-5200IP/WP	IPE-5210IPM/WPM
Picture					
Key Features	1. Excellent data transfer speed 2. High quality SLC-based solution	1. Excellent data transfer speed and IOPS 2. Budget-friendly MLC-based solution	1. Excellent data transfer speed and IOPS 2. Budget-friendly MLC-based solution	1. PCI Express interface 2. Driverless 3. Multi OS supported	1. PCI Express interface 2. Driverless 3. Multi OS supported
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	PCI Express Gen 1 x1	PCI Express Gen 1 x1
Flash Type	SLC	MLC	MLC	SLC	MLC
Capacity (GB)	2GB~32GB	8GB~512GB	8GB~256GB	4GB~64GB	8GB~256GB
Sequential R/W	470/250	340/200	430/170	170/120	130/100
Max.Power Consumption	1.2 W (3.3V x 360 mA)	1.3W (3.3V x 390 mA)	1.3W (3.3V x 390 mA)	1.2W (3.3V x 370mA)	1.2W (3.3V x 370mA)
Thermal Sensor	Wide temperature model only	Wide temperature model only	Wide temperature model only	Wide temperature model only	Wide temperature model only
ATA Security	Yes	Yes	Yes	Yes	Yes
S.M.A.R.T	Yes	Yes	Yes	Yes	Yes
Dimensions (mm)	29.8 x 50.8 x 4.4	29.8 x 50.8 x 4.4	29.8 x 50.8 x 4.4	30 x 50.95 x 4.4	30 x 50.95 x 4.4
Environment	Vibration: 20G@7~2000Hz, Shock: 1500G@0.5ms, Storage Temperature: -55°C ~ +95°C, MTBF: >3 million hours				
P/N	Standard (0°C~+70°C) IPE-5300IM-1GB IPE-5300IM-2GB IPE-5300IM-4GB IPE-5300IM-8GB IPE-5300IM-16GB IPE-5300IM-32GB	IPE-5320IM-8GB-R20 IPE-5320IM-16GB-R20 IPE-5320IM-32GB-R20 IPE-5320IM-64GB-R20 IPE-5320IM-128GB-R20 IPE-5320IM-256GB-R20 IPE-5320IM-512GB-R20	IPE-5320AM-8GB-R20 IPE-5320AM-16GB-R20 IPE-5320AM-32GB-R20 IPE-5320AM-64GB-R20 IPE-5320AM-128GB-R20 IPE-5320AM-256GB-R20	IPE-5200IP-4G-R21 IPE-5200IP-8G-R21 IPE-5200IP-16G-R21 IPE-5200IP-32G-R21 IPE-5200IP-64G-R21 IPE-5200IP-128G-R10 IPE-5210IPM-256GB-R10	IPE-5210IPM-8GB-R10 IPE-5210IPM-16GB-R10 IPE-5210IPM-32GB-R10 IPE-5210IPM-64GB-R10 IPE-5210IPM-128GB-R10 IPE-5210IPM-256GB-R10
	Wide Temperature (-40°C~+85°C) IPE-5300WM-1GB IPE-5300WM-2GB IPE-5300WM-4GB IPE-5300WM-8GB IPE-5300WM-16GB IPE-5300WM-32GB	IPE-5320WM-8GB-R20 IPE-5320WM-16GB-R20 IPE-5320WM-32GB-R20 IPE-5320WM-64GB-R20 IPE-5320WM-128GB-R20 IPE-5320WM-256GB-R20 IPE-5320WM-512GB-R20	IPE-5320AWM-8GB-R20 IPE-5320AWM-16GB-R20 IPE-5320AWM-32GB-R20 IPE-5320AWM-64GB-R20 IPE-5320AWM-128GB-R20 IPE-5320AWM-256GB-R20	WPE-5200WP-4G-R21 WPE-5200WP-8G-R21 WPE-5200WP-16G-R21 WPE-5200WP-32G-R21 WPE-5200WP-64G-R21 WPE-5200WP-128G-R10 WPE-5200WP-256G-R10	IPE-5210WPM-8GB-R10 IPE-5210WPM-16GB-R10 IPE-5210WPM-32GB-R10 IPE-5210WPM-64GB-R10 IPE-5210WPM-128GB-R10 IPE-5210WPM-256GB-R10

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All-in-One System

M.2-SATA (NGFF)

M.2-SATA (NGFF) stands for Next Generation Form Factor, which is comprised of several interfaces, and interconnects with the corresponding systems basing on the 67-pin edge card connectors. The Innodisk M.2-SATA (NGFF) offers wide range of capacities in several standard form factors to fulfill different applications, including type 2242, type 2260, type 2280, and 22110.

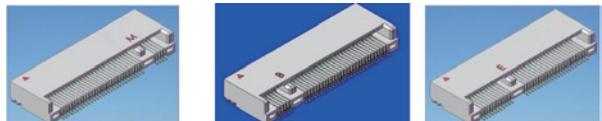
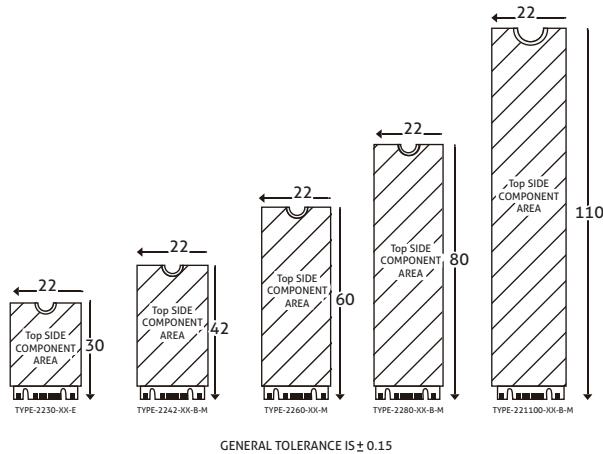
■ Features

- Adopted SATA 6Gb/s interface, complaint with M.2 (NGFF) type 2242 and 2280
- Excellent data transfer speed in small form factor
- iCell technology for data protection
- Supports iSMART disk health monitoring

■ Benefits

- The small form factor of M.2 (S42) saves about 40% of PCB dimension, comparing to the Mini PCIe form factor
- Innodisk's exclusive iData Guard ensures reliable data transfer in the event of an abnormal power failure
- Fully compliant with industrial standard
- Suitable for ultra-thin or compact system

■ M.2 form factor used on SSD



- Key A version is intended to support Wi-Fi+BT+NFC and/or WiGig Combo solution
- Key B is intended to support WWAN+GNSS, SSD and other add-in solutions
- Key E is intended to support Wi-Fi+BT+NFC or GNSS solution
- Key M is intended for SSD devices only

Model Name	IM2SE-2242	
Picture		
Key Features	1. Type 2242-D1-B-M 2. High IOPS with DRAM-less design 3. Budget-friendly MLC-based solution	
Interface	SATA 6Gb/s	
Flash Type	MLC	
Capacity (GB)	16GB~256GB	
Sequential R/W	500/80	
Max. Power Consumption	1.09W (3.3V x 330 mA)	
Thermal Sensor	Standard: Yes, Wide Temperature: Yes	
ATA Security	Yes	
S.M.A.R.T	Yes	
Dimensions (mm)	22 x .42 x 3.2	
Environment	Vibration: 20G@7~2000Hz, Shock: 1500G@0.5ms, Storage Temperature: -55°C ~ +95°C, MTBF: >3 million hours	
P/N	Standard (0°C~+70°C)	Wide Temperature (-40°C~+85°C)
	IM2SE-2242IM-16GB-R10 IM2SE-2242IM-32GB-R10 IM2SE-2242IM-64GB-R10 IM2SE-2242IM-128GB-R10 IM2SE-2242IM-256GB-R10	IM2SE-2242WM-16GB-R10 IM2SE-2242WM-32GB-R10 IM2SE-2242WM-64GB-R10 IM2SE-2242WM-128GB-R10 IM2SE-2242WM-256GB-R10

Intel® 2.5" SSD Solution



Key Features	1. 7mm height mechanical design 2. Low power consumption	Max. Power Consumption	165mw(5V*33mA)
Interface	SATA 6Gb/s	Thermal Sensor	0° C~70° C
Flash Type	MLC	ATA Security	Yes
Capacity (GB)	60GB~480GB	S.M.A.R.T	Yes
Sequential R/W	540/490	Dimensions (mm)	70 x 100 x 7
Environment	Vibration: 2.17 G@5-700 Hz, Shock: 1500G@0.5ms, Storage Temperature: 0° C~70° C, MTBF: ≥1.2 million hours		

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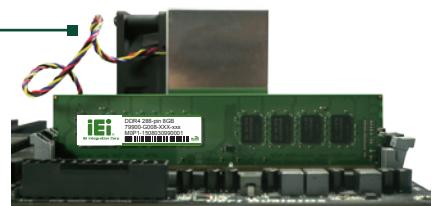
Ensuring the Best System Performance

IEI provide complete product line of industrial

Features

- Refresh → TREFI=7.8ms from -40°C~+85°C
- 30μ" Gold Finger

- Stern Test of Parameter
- High Reliability



DDR4 DIMM

Features

- Low Power
- Major on Third
- Thermal Sensor Design Ready
- 100% System Level Test

DDR4 DIMM

Module Speed	DIMM	SO-DIMM	CAS Latency
2133 MHz	288-pin	260-pin	CL13

■ SO-DIMM



■ Long-DIMM



Ordering Information



Part No.	Description	Part No.	Description
DDR4 SO-DIMM 79F00-G004-003-RS	DDR4 2133 4GB SO-DIMM CL13 512M*8	DDR4 Long-DIMM 79E00-G004-001-RS	DDR4 2133 4GB Long-DIMM CL13 512M*8
79F00-G008-001-RS	DDR4 2133 8GB SO-DIMM CL13 512M*8	79E00-G008-001-RS	DDR4 2133 8GB Long-DIMM CL13 512M*8
	DDR4 2133 16GB SO-DIMM CL13 1024M*8	79E00-G016-002-RS	DDR4 2133 16GB Long-DIMM CL13 1024M*8

DDR3 W/T & Commercial ECC Thermal Sensor Solution

Module Speed	1600 MHz
DIMM	240-pin
SO-DIMM	204-pin
CAS Latency	CL11

DDR3 ECC SO-DIMM



DDR3 ECC Long-DIMM



Ordering Information

DDR3 SO-DIMM W/T	Description
	DDR3 1600 1GB ECC SO-DIMM CL11 128M*8
	DDR3 1600 2GB ECC SO-DIMM CL11 256M*8
	DDR3 1600 4GB ECC SO-DIMM CL11 256M*8
	DDR3 1600 8GB ECC SO-DIMM CL11 256M*8

DDR3 DIMM W/T	Description
	DDR3 1600 2GB DIMM CL11 256M*8
	DDR3 1600 4GB DIMM CL11 256M*8
	DDR3 1600 8GB DIMM CL11 256M*8
	DDR3 1600 16GB DIMM CL11 256M*8

DDR3 W/T Solution

Module Speed	1600 MHz
DIMM	240-pin
SO-DIMM	204-pin
CAS Latency	CL11

DDR3 SO-DIMM



DDR3 Long-DIMM



Ordering Information

DDR3 SO-DIMM W/T	Description
	DDR3 1600 1GB SO-DIMM, ProMOS, 128M*8
	DDR3 1600 2GB SO-DIMM, ProMOS, 128M*8
79B00-G002-038-RS / 79B00-G002-035-RS	DDR3 1600 2GB SO-DIMM, Micron, 256M*8
79B00-G004-039-RS	DDR3 1600 4GB SO-DIMM, Micron, 256M*8
	DDR3 1600 4GB SO-DIMM, ProMOS, 512Mx8
	DDR3 1600 8GB SO-DIMM, ProMOS, 512Mx8

DDR3 DIMM W/T	Description
	DDR3 1600 2GB DIMM, ProMOS, 128M*8
	DDR3 1600 2GB DIMM, Micron, 256M*8
	DDR3 1600 4GB DIMM, Micron, 256M*8
	DDR3 1600 4GB DIMM, ProMOS, 512Mx8
	DDR3 1600 8GB DIMM, ProMOS, 512M*8

DDR2 W/T Solution

Module Speed	800 MHz
DIMM	240-pin
SO-DIMM	200-pin
CAS Latency	CL6

DDR2 SO-DIMM



DDR2 DIMM (Low Profile)



Ordering Information

DDR2 SO-DIMM W/T	Description
79900-G001-052-RS	DDR2 667 1GB SO-DIMM, ProMOS, 128M*8
	DDR2 800 1GB SO-DIMM, ProMOS, 128M*8
79900-G002-027-RS	DDR2 800 2GB SO-DIMM, ProMOS, 128M*8

DDR2 DIMM W/T	Description
	DDR2 800 1GB DIMM, ProMOS, 128M*8
	DDR2 800 2GB DIMM, ProMOS, 128M*8

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Lifespan Evaluation of Flash Products From Endurance to iSMART

■ Endurance of different flash types - SLC and MLC

SLC is more reliable and has longer endurance than MLC.

MLC is cost-saving alternative to SLC to replace the traditional HDD.

■ iSMART, the proprietary disk health monitoring tool, provides easy access, in-depth information for embedded applications

iSMART can monitor all our flash products in a system. It provides clear and easy to understand warnings, numbers, charts and graphics to enable system integrators and users to check storage device health, performance, temperature, free space, and status at a glance. Also, it can alert users with the remaining service lifetime of Innodisk drives, so that they can replace a device in plenty of time to avoid any potential issues.

Besides providing critical disk information, iSMART also offers convenience through e-mail alerts and one-touch feature. Additionally, iSMART provides dynamic power management, advancing green design goals for lower power consumption, such as with a 35% of power saving in idle mode.



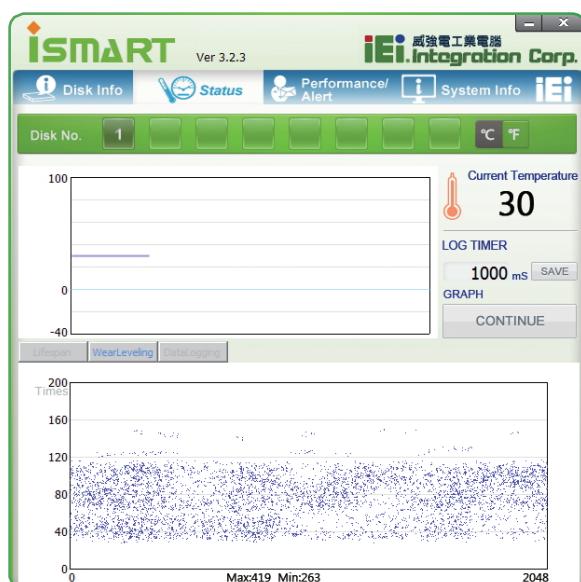
Disk Information



Performance / Alert



Lifespan Prediction



Wear Leveling Status

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All-in-One System

Drive Cage Standard 3.5" Device in 5.25" Drive Bay Solutions

Following the traditional industrial system needs for stability, durability and toughness for storage drive operating condition, IEI provides various kinds of standard 3.5" device in 5.25" removable drive bay and modules for different demands.

	SATA / IDE / SSD Solution		SATA Solution	
Model Name	XWC-410030507220-RS	XWC-410030507230-RS	RD-03A-RS-R10	RHD-302SATA-RS-R11
Dimensions (L x W x H) (mm)	150 x 146 x 42	150 x 146 x 42	190 x 148 x 42	220 x 148 x 85.8
Material	Aluminum	Aluminum	Aluminum alloy	Aluminum alloy
Interface	SATA / IDE / SSD	SATA / IDE / SSD	SATA	SATA
Data Transfer Rate			Up to 300 MB/Sec	Up to 300 MB/Sec
Drive Bay Space	One 5.25" drive bay	One 5.25" drive bay	One 5.25" drive bay	2 x 5.25" drive bay for 3 x 3.5" HDD
HDD Type	Internal 3.5" device bay	Internal 3.5" device bay	3.5" SATA	3.5" SATA
Cooling Fan			4010 ball bearing	8020 ball bearing (removable)
Hot Swap	No	No	Yes	Yes
Keylock	No	No	Yes	No
Signal Out	No	No	Power on signal out (high) HDD access signal out (high)	3 x HDD power signal out (+5V, GND) 1 x Temperature overheat signal out (5V, GND) 1 x Fan fail signal out (5V, GND) 3 x HDD access signal out (+5V, GND) 1 x Reset signal out (High, GND)
Color	Black	White	White / Black	Black bezel and silver housing
Gross Weight	0.2 kg	0.2 kg	0.3 kg	1.0 kg

	SATA Solution				
Model Name	RHD-102SATA-R10	RHD-102DW-R10	RHD-101SATA-R10	RHD-104SATA-R10	RHF-21-SATA-R10
Dimensions (L x W x H) (mm)	101.2 x 25.4 x 133	170 x 146 x 41	135 x 101.6 x 25.6	170 x 146 x 41.3	151.5 x 102 x 25.7
Material	Metal	Aluminum & SECC	SECC	SECC	SECC
Interface	7-pin SATA x 2	SAS / SATA	7-pin SATA x 2	7-pin SATA x 4	SATA
Data Transfer Rate	up to 6Gb/Sec	up to 6Gb/Sec	Up to 600 MB/sec	Up to 600 MB/sec	No
Drive Bay Space	One 3.5" drive bay	One 5.25" drive bay	One 3.5" drive bay	One 5.25" drive bay	Internal 3.5" drive bay
HDD Type	2.5" SAS or SATA I / II / III 2 x HDD/SSD	2.5" SAS 2.0 or SATA I / II / III 2 x HDD/SSD	2.5" SAS or SATA I / II / III 1 x HDD/SSD	2.5" SAS or SATA I / II / III 4 x HDD/SSD	2.5" SATA HDD
Cooling Fan	No	No	Metal heat dispersion	2 x 40 mm rear outtake fan w/ aluminum heat dissipation	No
Hot Swap	Yes	Yes	Yes	Yes	Yes
Keylock	Yes	2 x Section key lock	2 x Segment key lock	No	Yes
Signal Out	2 x HDD power signal out 2 x HDD access signal out	1 x Slim type ODD 2 x HDD power signal out 2 x HDD access signal out	1 x HDD power signal out 1 x HDD access signal out	4 x HDD power signal out 4 x HDD access signal out	1 x Female connector 1 x SATA LED signal connector 1 x Power LED connector 1 x Key on/off connector 1 x Power/SATA LED connector 1 x Male connector
Color	Black	Black	Black	Black	Black
Gross Weight	0.375 kg	0.8 kg	0.483 kg	0.95 kg	0.3 kg

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All-in-One System

FCD-301



Pin 1	Pin 2	Pin 3	Pin 4
+5V	Data-	Data+	GND

3.5" compact drive bay with USB port

- The most suitable USB cable for IEI's CPU boards
- Support standard 3.5" drive bay, 4-pin female connector to CPU boards' pin header, length: 60cm
- RoHS compliant
- Pin definition:

Ordering Information

Part No.	Description
FCD-301[C]-RS	3.5" compact drive bay with USB port, RoHS Color Code: B=Black, W=White

AS-35A / AS-25A / AS-25C



AS-35A

AS-25A



Anti-vibration Drive Kit

AS-25C

- Resistant to shocks and vibrations from all directions
- Support 2.5" HDD into 3.5" drive bay (AS-25A/25C)
Support 3.5" HDD into 5.25" drive bay (AS-35A)
- Meets the following standards:
 - MIL-SLD-810F 514.5C-1 standard
 - 5-20Hz, 1G peak to peak
 - 60-200Hz, 3G peak to peak
- RoHS compliant

Ordering Information

Part No.	Description
AS-35A-RS	3.5" drive anti-vibration kit, RoHS
AS-25A-RS	2.5" drive anti-vibration kit, RoHS
AS-25C-RS	Enhanced 2.5" drive anti-vibration kit, RoHS

Industrial Keyboard Series

MK-KTP5A



MK-KTP5AW-RS-R11

Model Name	MK-KTP5AW-RS-R11		
Key Number	105-key	Color	White/Black
Mouse	Touchpad	Waterproof	NA
Connector	2 x PS/2 for KB/MS	Dimensions (mm)	485 (D) x 380 (W) x 44 (H)

Ordering Information

Part No.	Description
MK-KTP5AW-RS-R11	1U rackmount keyboard/touchpad drawer, RoHS

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All-in-One System

Cables and Connectors FDD / HDD Cable

	SATA HDD Cable		
Model Name	32801-000703-400-RS	32102-000100-100-RS	32000-080700-RS
Cable Type	SATA HDD cable	SATA power cable	SATA + Power cable
Connector	SATA 7-pin	4-pin + 2 x SATA 15-pin	SATA 7-pin + 4-pin
Connector Type	Lockable	SATA power connector	
Length	50 cm	15 cm	SATA cable 20 cm Power cable 10 cm

	SATA HDD Cable	
Model Name	32801-000201-300-RS	32801-000100-300-RS
Cable Type	SATA + Power cable	SATA + Power cable
Connector	SATA 7-pin + 2-pin wafer (P=2 mm)	SATA 7-pin + 4-pin wafer (P=2.54 mm)
Connector Type	2-pin PH 2.0	4-pin PH 2.54 mm
Length	SATA cable 15 cm Power cable 15 cm	SATA cable 20 cm Power cable 20 cm

	IDE HDD Cable		
Model Name	32200-000009-RS	32221-001000-101-RS	32200-025001-RS
Cable Type	IDE HDD flat cable	IDE HDD flat cable	IDE HDD flat cable
Connector	44p-44p	44p-44p	44p-40p-40p
Connector Type	2.0mm -2.0mm	2.0mm -2.0mm	2.0mm-2.54mm-2.54mm
Length	40 cm	25 cm	20 cm + 15 cm

	IDE HDD Cable		
Model Name	32225-002000-200-RS	32221-001700-100-RS	CB-HD32-RS
Cable Type	ATA-66 HDD flat cable	ATA-33 HDD flat cable	IDE HDD flat cable
Connector	40p-40p-40p	44p-40p-40p	40p-44p
Connector Type	2.54mm	2.0mm-2.54mm-2.54mm	2.54mm-2.0mm
Length	30 cm + 15 cm	20 cm + 15 cm	IDE cable: 39 cm Power cable: 20 cm

Part numbers listed in the product catalog are for reference purposes. IEI reserves the right to implement substitution parts when the function is not affected.

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Cables and Connectors *Parallel / Serial Cable*

	Serial cable				
Model Name	45002-008103-RS	19800-000300-100-RS	19800-010900-200-RS	19800-000051-RS	19800-003600-100-RS
Cable Type	Serial port	Serial port cable	Serial port cable	Serial port cable	Serial port cable
Board Side	N/A	10-pin (2x5) connector (2.0 mm)	10-pin (2x5) connector (2.54 mm)	2 x 10-pin (2x5) connector (2.54 mm)	2 x 10-pin (2x5) connector (2.54mm)
Board Side Pitch	2.54 mm	2.0 mm	2.54 mm	2.54 mm	2.54 mm
Device Side	2 x DE9M	DE9M	DE9M	2 x DE9M	2 x DE9M
Bracket	Yes	Yes	Yes	Yes	Yes
Length	9 cm	30 cm	50 cm	23 cm	40 cm

	Serial cable				
Model Name	19800-000112-RS	32205-000702-100-RS	32200-000049-RS	32205-001203-200-RS	32205-002000-100-RS
Cable Type	Serial port cable	Serial port cable	Serial port cable	Serial port cable	Serial port cable
Board Side	2 x 10-pin (2x5) connector (2.0 mm)	10-pin (2x5) connector (2.54 mm)	10-pin (2x5) connector (2.0 mm)	40-pin (2x20) connector (2.54 mm)	40-pin (2x20) connector (2.0 mm)
Board Side Pitch	2.0 mm	2.54 mm	2.0 mm	2.54 mm	2.0 mm
Device Side	2 x DE9M	DE9M	DE9M	4 x DE9M	4 x DE9M
Bracket	Yes	No	No	No	No
Length	30 cm	23 cm	20 cm	40/40/40/40 cm	30 cm

	Serial cable				
Model Name	32200-025401-RS	32205-002500-100-RS	19800-004400-200-RS	19800-004300-100-RS	32200-026500-RS
Cable Type	Serial port cable	RS-422/485 cable	RS-232 & RS-422/485 cable	RS-232 & RS-422/485 cable	RS-232 & RS-422/485 cable
Board Side	40-pin (2x20) connector (2.0 mm)	16-pin (2x8) connector (2.54 mm)	14-pin (2x7) connector (2.54 mm)	14-pin (2x7) connector (2.0 mm)	14-pin (2x7) connector (2.0 mm)
Board Side Pitch	2.0 mm	2.54 mm	2.54 mm	2.0 mm	2.0 mm
Device Side	4 x DE9M	4 x DE9M	2 x DE9M	2 x DE9M	2 x DE9M
Bracket	No	No	Yes	Yes	No
Length	30 cm	12 cm	25.5 cm	25 cm	29 cm

	Serial cable		Paralle cable	
Model Name	32205-003800-300-RS	19800-000049-RS	19800-003500-100-RS	32200-015100-RS
Cable Type	RS-422/485 cable	Parallel port cable	Parallel and serial port cable	Parallel port cable
Board Side	4-pin (1x4) connector (2.0 mm)	26-pin (2x13) connector (2.54 mm)	26-pin (2x13) connector (2.0 mm) 10-pin (2x5) connector (2.0 mm)	26-pin (2x13) connector (2.0 mm)
Board Side Pitch	2.0 mm	2.54 mm	2.0 mm	2.0 mm
Device Side	DE9M	DB25F	DB25F + DE9M	DB25F
Bracket	No	Yes	Yes	No
Length	20 cm	24 cm	24 cm	28 cm

Part numbers listed in the product catalog are for reference purposes. IEI reserves the right to implement substitution parts when the function is not affected.

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Cables and Connectors *USB / Keyboard / Mouse / Power Cable*

	USB cable			
Model Name	32001-010800-100-RS	32001-006404-100-RS	19800-000100-200-RS	19800-003100-300-RS
Cable type	USB able	USB cable	USB cable	USB cable
Board side	2 x 4-pin connector (2.54 mm)	2 x 4-pin connector (2.0 mm)	2 x 8-pin (2x4) connector (2.54 mm)	2 x 4-pin (1x4) connector (2.54 mm)
Board side pitch	2.54 mm	2.00 mm	2.54 mm	2.54 mm
Device side	2 x USB	2 x USB	4 x USB	2 x USB
Bracket	No	No	Yes	Yes
Length	20 cm	22 cm	30 cm	30 cm

	USB cable			
Model Name	CB-USB02A-RS	32000-044300-RS	32000-073400-RS	32001-008600-200-RS
Cable type	USB cable	USB cable	USB cable	USB cable
Board side	1 x 8-pin (2x4) connector (2.0 mm)	1 x 8-pin (2x4) connector (2.54 mm)	2 x 5-pin connector (2.0 mm) for WAFER-8523, WAFER-945GSE3 only	1 x 8-pin (2x4) connector (2.0 mm)
Board side pitch	2.0 mm	2.54 mm	2.0 mm	2.0 mm
Device side	2 x USB	2 x USB	2 x USB	2 x USB
Bracket	Yes	No	No	No
Length	30 cm	21 cm	40 cm	21 cm

	Keyboard / Mouse cable			
Model Name	19800-000066-RS	19800-000075-RS	32006-000300-100-RS	32000-023800-RS
Cable type	Keyboard and mouse cable	Y-Cable	Y-Cable	Y-Cable
Board side	2 x 5-pin (1x5) connector (2.54 mm)	1 x 6-pin (1x6) connector (2.0 mm)	1 x male PS/2	1 x 6-pin (1x6) connector (2.0 mm)
Board side pitch	2.54 mm	2.0 mm		2.0 mm
Device side	2 x Female PS/2	2 x Female PS/2	2 x Female PS/2	2 x Female PS/2
Bracket	Yes	Yes	No	No
Length	30 cm	22 cm	12 cm (KB) + 14 (MS)	13 cm

	Power cable				
Model Name	32100-087100-RS	32102-022100-100-RS	32102-005100-200-RS	32100-192900-RS	32100-130300-RS
Cable type	12V power cable	ATX function cable	12V power cable	12V power cable	Power cable for PC/104 CPU module
Board side	1 x 4-pin (2x2) connector	1 x 20-pin ATX power connector	1 x 4-pin (2x2) connector	1 x 4-pin (2x2) connector	1 x 4-pin (1x4) molex
Device side	2 x 4-pin (1x4) molex	1 x 4-pin (1x4) molex 1 x 3-pin PS_ON connector	With lock screw	4-pin 3.5 mm terminal block	3-pin 3.5 mm terminal block
Bracket	No	No	No	No	No
Length	13 cm	30 cm	25 cm	25 cm	10 cm

Part numbers listed in the product catalog are for reference purposes. IEI reserves the right to implement substitution parts when the function is not affected.

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Cables and Connectors *Audio / LAN / VGA / Adapter Cable*

Audio cable			
			
Model Name	19800-000111-RS	32007-002600-100-RS	32000-028800-RS
Cable type	Audio cable	Audio cable	Audio cable
Board side	10-pin (2x5) connector (2.0 mm)	10-pin (2x5) connector (2.0 mm)	12-pin (2x6) connector (2.54 mm)
Board side pitch	2.0 mm	2.0 mm	2.54 mm
Device side	3 x Audio jacks	3 x Audio jacks	4 x Audio jacks
Bracket	Yes	No	No
Length	30 cm	30 cm	25 cm

LAN cable		VGA cable	
			
Model Name	32013-001700-100-RS	32003-000800-100-RS	32000-033804-RS
Cable type	LAN cable	VGA cable	VGA cable
Board side	10-pin (2x5) connector (2.0 mm)	10-pin (2x5) connector (2.54 mm)	10-pin (2x5) connector (2.0 mm)
Board side pitch	2.0 mm	2.54 mm	2.0 mm
Device side	1 x RJ-45	1 x DB15F	1 x DB15F
Bracket	No	No	No
Length	31 cm	30 cm	30 cm

Part numbers listed in the product catalog are for reference purposes. IEI reserves the right to implement substitution parts when the function is not affected.

Rackmount Slide *Optional Chassis Accessories*

SLIDE			
			
Model Name	SLIDE-18	SLIDE-24	EXTENDER-6
Specification	18" rackmount slide	24" rackmount slide	6" extender
Description	For rackmount chassis w/ depth up to 500	For rackmount chassis w/ depth up to 600	For 18" or 24" slider

DIN Rail Kit

KIT		
		
Model Name	DK-100-R10	DK-84MB
Specification	110 mm (W) x 100 mm (D)	168 mm (W) x 96 mm (D)
Description	VESA 100 to DIN-rail kit	DIN mount kit for ECW-281 series, black, RoHS

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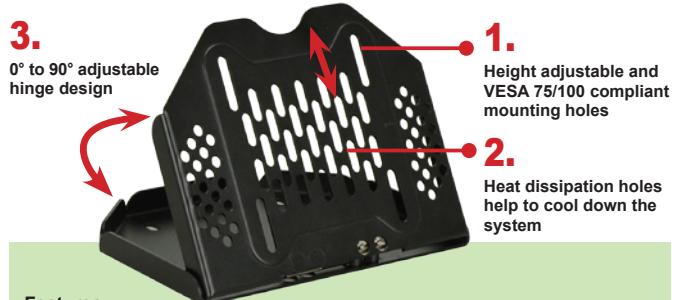
All-in-One System

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 environment, such as kitchen, room or shelf.

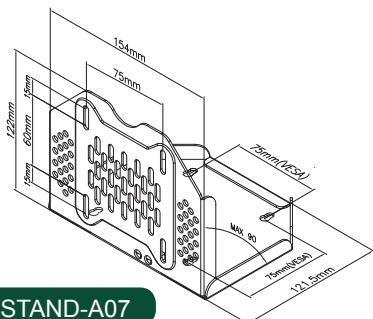
VESA	Model
75 mm x 75 mm	VSTAND-A07-R11
75 mm x 75 mm/100 mm x 100 mm	VSTAND-A10-R11
100 mm x 100 mm	VSTAND-A12-R11


Features:

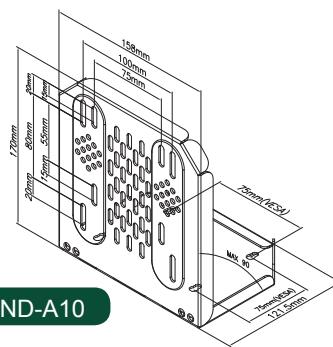
- 0° to 90° adjustable hinge design allows comfortable viewing
- Standard VESA 75/100 compliant
- Heat dissipation holes
- Compact size, easy to use in any places



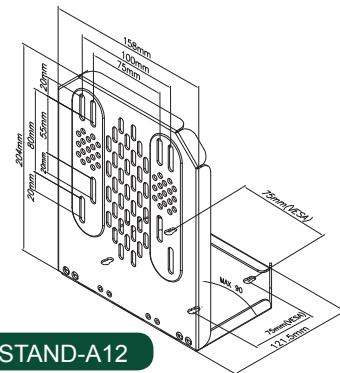
Space saving and easy installation



VSTAND-A07



VSTAND-A10



VSTAND-A12

Ordering Information

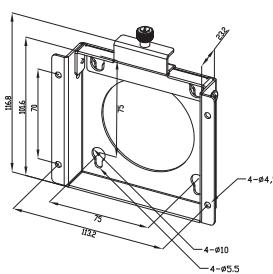
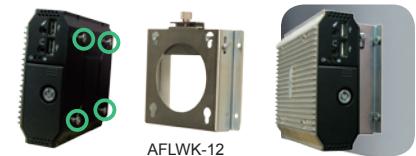
Part No.	Description
VSTAND-A07-R11	LCD monitor / PPC stand V type, for AFL series, VESA 75, 0~90 degree adjustable hinge, support up to 2.5 kg, RoHS
VSTAND-A10-R11	LCD monitor / PPC stand V type, for AFL series, VESA 75/100, 0~90 degree adjustable hinge, support up to 3 kg, RoHS
VSTAND-A12-R11	LCD monitor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

Wall Mounting

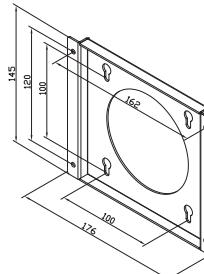
VESA 75/100 Wall Mounting

Secure the panel by fastening the retention screw of the bracket.

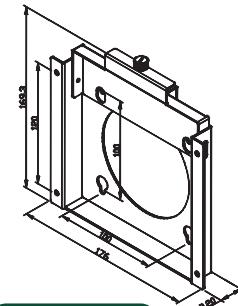
VESA	Model
75 mm x 75 mm	AFLWK-12
100 mm x 100 mm	AFLWK-19



AFLWK-12



AFLWK-19



AFLWK-19B

Ordering Information

Part No.	Description
AFLWK-12	5.6"~12" VESA 75 PPC/monitor wall mount kit with retention screw, silver color, RoHS
AFLWK-19	15"~19" VESA 100 PPC/monitor wall mount kit, silver color, RoHS
AFLWK-19B	15"~19" VESA 100 PPC/monitor wall mount kit with retention screw, silver color, RoHS

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