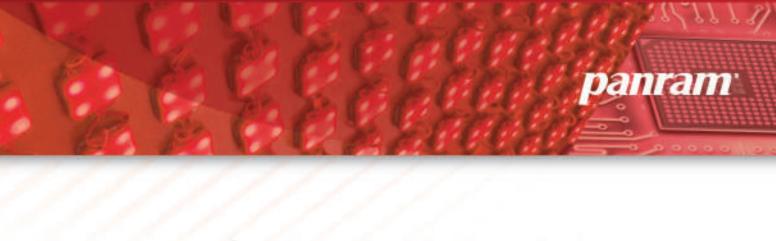


Professional EMS+ Industrial Memory Expert Your Best Partner in the IPC Industry MFi Certified manufacturer

Design

Material Management Electronic Manufacturing

> Logistic RMA





PROFESSIONAL, QUALITY, SPEED

is our goal to customer service and our insistence on and commitment to customer satisfaction

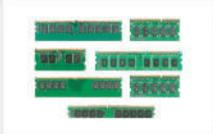
Panram has been marching forward based on the business vision of "Top Quality and Best service" to achieve the goal of being the global leader in providing customers with quality memory module and flash memory solutions.

DRAM, NAND, and relevant applications R&D, manufacturing and distribution.

Providing EMS such as SMT, DIP, assembly, testing, and packing.

Expand our global network, purchasing from international DRAM and NAND suppliers.

Service Items



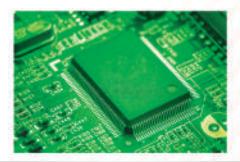
Industry Memory DRAM

For applications in aerospace, defense, and other specialties.



OEM/ODM

Memory module, memory card, USB drive, SSD, peripheral product series, industry grade memory storage, power adapter, WiFi module, and SIP module.



Industry Memory NAND FLASH NAND, FDM, and SSD.



I/O Card

I/O card with different interfaces addressing expansion of industrial computers.

Major Production Equipment



NXTIII mounter

High efficiency, high compatibility, and high precision surface mounter.



CyberOptics QX500 AOI

Featuring two fixed-angle lightning, this device provides excellent image for fault inspection and helps SMT with fast dynamic inspection.



CyberOptics SE500 SPI

Exclusive and integrated scanning order up powered packaging speed by 30%, optional dual-lightning sensors may improve repetitiveness and enhance validity of SMT production line.



X-Ray

SMT soldering void inspection and measurement.



Brand Spirit

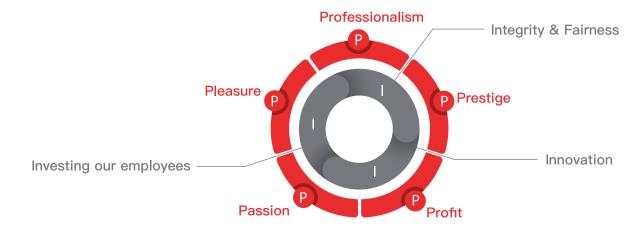
- Founded in 1994, Panram Co., Ltd. (Panram) has been providing customers with customized design, OEM, and ODM services to meet the full spectrum of customer requirements based on its advanced R&D technology and solid manufacturing capacity.
- ♦ With "PAN" for all and "RAM" for memory, Panram has memory in its DNA.
- Panram is one of the world leading suppliers of high quality memory modules and flash memory solutions. Thanks to its vision of "best quality and service", it has been marching forward in the memory field.

Production Equipment

- Panram now has 16 high speed SMT lines and 2 DIP lines in operation. It is planning to add to 19 SMT lines by the end of 2018 with more automation features.
- Thanks to its in-house developed auto assembly/test equipment and intelligent manufacturing system, Panram has become one of very few ODM service providers for global leading brands. In addition to designing and making memory modules and flash memory, it also offers manufacturing services for a wide range of electronic devices including mechanical keyboards, graphics cards, aesthetic medicine electronics, industry memory modules, touch control panels, and card readers. Panram provides these services in various combinations of hardware design, mold making, DIP, SMT, IC testing and sorting, laser soldering, spot soldering, laser etching, and global logistics.
- Panram is now an MFi-certified manufacturer for Apple's peripheral designing and manufacturing. It's your best partner in the consumer electronics industry.

Quality Service

Panram has been committed to direct sales from its production site to make the best of inventory with minimized risks of material price fluctuation and fast, on-time delivery by aligning with the comprehensive distribution systems of the courier industry. Panram has won customers' trust for its quality products, fast delivery, and good after service.



Company Overview

Employees: 530 Founded: 1994.02.01 Capital: TWD609 million

OTC enlisted: 2004.02.27 (code 8088)

Contact

Head office: 9th Floor, No. 460, Section 5, Chenggong

Road, Neihu District, Taipei City

Factory: No. 2-2, Gongjian South Road, Qidu District,

Keelung City (Near Xizhi) Tel: (02) 2631-8809 ext. 288



Product Catalog

» SSD

| | SATA III (SMI) | | | | | |
|---------------------|--|--|--|--|--|--|
| Reference Photo | VELOCITY VILLOUI | | | Citato | | |
| Formfacter | 2.5" SSD | M.2 2242 | M.2 2280 | mSATA | Half Slim | |
| Capacity | SLC: 4GB~32GB sMLC: 4GB~128GB MLC:8GB~256GB | SLC: 4GB~16GB sMLC:4GB~128GB MLC:8GB~256GB | SLC: 4GB~32GB sMLC:4GB~256GB MLC:8GB~512GB | SLC: 4GB~32GB sMLC: 4GB~64GB MLC:8GB~128GB | SLC: 4GB~32GB sMLC: 4GB~64GB MLC:8GB~128GB | |
| Max. Performance | Read: 500MB/s Write: 300MB/s | | | | | |
| Controller | | | SM2246EN/XT | | | |

| | SATA III(Embestor) | | | | | | |
|---------------------|---|------------|---|-------|--|--|--|
| Reference Photo | VELOCITY VEL | | | · | | | |
| Formfacter | 2.5" | Half Slim | M.2 2242 | mSATA | M.2 2280 | | |
| Capacity | SLC: coming so sMLC:16GB~25 MLC: 32GB~512 TLC: 64GB~512 | 6GB 2GB | SLC: coming soon sMLC: 16GB~128GB MLC: 32GB~256GB nly) TLC: 64GB~512GB (C.T. only) | | SLC: coming soon sMLC: 16GB~128GB MLC: 32GB~256GB TLC: 64GB~512GB (C.T. only) | | |
| Max. Performance | Read: 500MB/s Write: 400MB/s | | | | | | |
| Controller | Embestor ET6311 40nm | | | | | | |

1. SLC is Toshiba 32/24nm

2. sMLC and MLC is SanDisk 15mm

3. 3D TLC is SanDisk Bics3

Notes

4. W. T. available unless otherwise marked C. T. only

5. C.T. (0° C-70° C) / W.T. (-40° C-85° C)

Super Quality Excellent Service

» SSD

| | SATA III(Enterprise) | | | | | |
|---------------------|--|---|--|--|--|--|
| Reference Photo | VELOCITY THE PARTY OF THE PARTY | | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | | | |
| Formfacter | 2.5" M.2 2280 | | | 2280 | | |
| Capacity | Enterprise SSD MLC: 480GB~2TB | Enterprise SSD PRO MLC: 400GB~1600GB | M.2 Enterprise SSD MLC: 480GB~960GB | M.2 Enterprise SSD PRO MLC: 400GB~800GB | | |
| Max. Performance | | Read: 540MB/s Write: 480MB/s | | | | |
| Controller | | Marvell 88SS1074 | | | | |

| | PCI-e (Embestor) | | | | | | |
|---------------------|--|--|--|--|--|--|--|
| Reference Photo | | | | | | | |
| Formfacter | M.2 2242 | M.2 2280 | | | | | |
| Capacity | MLC: 32GB~512GB TLC: 64GB~512GB (C .T.only) | MLC: 32GB~512GB TLC: 64GB~512GB (C .T.only) | | | | | |
| Max. Performance | Read: 2400MB/s | Read: 2400MB/s Write: 1600MB/s | | | | | |
| Controller | Embestor ET73 | Embestor ET7310 / 7312 28nm | | | | | |

1. SLC is Toshiba 32/24nm
2. sMLC and MLC is SanDisk 15mm
3. 3D TLC is SanDisk Bics3
4. W. T. available unless otherwise marked C. T. only
5. C.T. (0° C-70° C) / W.T. (-40° C-85° C)



» FDM

| | eUSB | SATA FDM | IDE FDM | | |
|---------------------|---|-----------------------------------|----------------------------------|--|--|
| Reference Photo | | | COMING SOON | | |
| Interface | USB2.0 | SATA 3.0 Vertical / Horizontal | IDE | | |
| Capacity | SLC: 4GB, 8GB,16GB MLC: 16GB,64GB | SLC: 4GB~8GB MLC: 8GB~32GB | SLC: 512MB~32GB MLC: 8GB~64GB | | |
| Max. Performance | Read: 33MB/s Write: 20MB/s | Read: 280MB/s Write: 50MB/s | Read: 20MB/s Write: 17MB/s | | |
| Controller | SM3268 | SM2246XT | SM2232EN | | |
| Notes | 1. SLC is Toshiba 32/24nm 2. sMLC and MLC is SanDisk 15mm 3. 3D TLC is SanDisk Bics3 4. W. T. available unless otherwise marked C. T. only 5. C.T. (0° C-70° C) / W.T. (-40° C-85° C) | | | | |

» CF Card/CFast Card

| | CF CARD | SATA III |
|---------------------|---|---|
| Reference Photo | panram . Season 16 cm Congardest | panram Andustrial CFast 2.0 |
| Interface | CF4.1 | CFast2.0 |
| Capacity | SLC: 512MB~8GB MLC: 8GB~64GB | SLC: 4GB~32GB MLC: 8GB~128GB sMLC: 4GB~64GB |
| Max. Performance | Read: 65MB/s Write: 55MB/s | Read: 500MB/s Write: 300MB/s |
| Controller | SM2232EN | SM2246XT |
| Notes | 1. SLC is Toshiba 32/24nm 2. MLC and sMLC is SanDisk 15mm 3. C. T. (0° C-70° C) / W. T. (-40oC-85° C) | |



» SD /MicroSD Card

| | SD | | SDHC | SDXC |
|--|-----------------------------------|----------------------------|---|---|
| | Reference Photo | panram Picro sus E. | panram mecro san seco san | panram 6408@ PSS ARCT |
| | Interface | SD2.0 | SD3.0 | SD3.0 |
| | Capacity | 128MB~2GB | 4GB~32GB | 64GB~256GB |
| | Max. Performance | Read: 20MB/s Write: 17MB/s | Read: 90MB/s Write: 40MB/s | Read: 90MB/s Write: 70MB/s |
| | Controller Embestor IT2328/ET1268 | | Embestor ET1288 | Embestor ET1288 |
| 1. Toshiba SLC 32/24nm 2. W. T. (-40°C~85° C) | | | 1. Toshiba SLC 32/24nm 2. SanDisk sMLC/MLC 15mm 3. W. T. (-40°C~85°C) E. T. (-25°C~85°C) | 1. SanDisk sMLC/MLC 15nm 2. W. T. (-40°C~85°C) E. T. (-25°C~85°C) |

SIP (System in Package)

- The SD using SIP (System in package) module assembly technology which provides perfect protection.
- Each of the SD card can pass severe IPX8 water proof and IP5X dust proof testing level by IEC/EN 60529 standard.

» sMLC (Super MLC, single bit per cell MLC support)

- * sMLC: Called "Super MLC", which utilizes MLC NAND in single bit per cell to enhance the performance and product endurance.
- Performance: Same level as SLC NAND.
- ◆ P/E cycle time: Around 10 times of MLC.
- Density: Half(50%) capacity of MLC NAND.

Security Hidden Card

• Panram's TF & SD card provide Hidden Card mechanism. This mechanism can enhance the data security level.







>> UDIMM w/wo ECC

| Name | DDR4 UDIMM | DDR4 UDIMM w ECC | DDR3 UDIMM | DDR3 UDIMM w ECC |
|--------------------|-------------------------|------------------------|-----------------------|------------------|
| Reference Photo | REES RESE | গ্ৰামান্ত্ৰ, ছোনানাক্ৰ | 0000.0000 | |
| Data Rate | 2133 / 2400 / 2666 Mbps | | 1333 / 1600 | / 1866 Mbps |
| Capacity | 2GB / 4GB / 8GB / 16GB | 4GB / 8GB / 16GB | 1GB / 2GB / 4GB / 8GB | |
| Voltage | 1.2V | | 1.35V | / 1.5V |

» VLP UDIMM w/wo ECC

| Name | DDR4 VLP UDIMM w ECC | DDR3 VLP UDIMM w ECC | |
|--------------------|-------------------------|-------------------------|--|
| Reference Photo | | | |
| Data Rate | 2133 / 2400 / 2666 Mbps | 1333 / 1600 / 1866 Mbps | |
| Capacity | 4GB / 8GB / 16GB | 1GB / 2GB / 4GB / 8GB | |
| Voltage | 1.2V | 1.35V / 1.5V | |

» RDIMM

| Name | DDR4 RDIMM | DDR3 RDIMM | |
|--------------------|-------------------------|------------------------------|--|
| Reference Photo | | 000000000 | |
| Data Rate | 2133 / 2400 / 2666 Mbps | 1333 / 1600 / 1866 Mbps | |
| Capacity | 4GB / 8GB / 16GB/ 32GB | 1GB / 2GB / 4GB / 8GB / 16GB | |
| Voltage | 1.2V | 1.35V / 1.5V | |

Notes

- 1. C.T. (0°C~70°C) / W.T.(-40°C~85°C) ∘
- 2. Both C.T.&W.T. available •



» VLP RDIMM

| Name | DDR4 VLP RDIMM | DDR3 VLP RDIMM | |
|--------------------|-------------------------|------------------------------|--|
| Reference photo | | | |
| Data Rate | 2133 / 2400 / 2666 Mbps | 1333 / 1600 / 1866 Mbps | |
| Capacity | 4GB / 8GB / 16GB | 1GB / 2GB / 4GB / 8GB / 16GB | |
| Voltage | 1.2V | 1.35V / 1.5V | |

» SODIMM w/wo ECC

| Name | DDR4 SODIMM | DDR4 SODIMM w ECC | DDR3 SODIMM | DDR3 SODIMM w ECC |
|--------------------|-------------------------|-------------------|-----------------------|-------------------|
| Reference photo | | | 88'86 | |
| Data Rate | 2133 / 2400 / 2666 Mbps | | 1333 / 1600 | 0 / 1866 Mbps |
| Capacity | 2GB / 4GB / 8GB / 16GB | 4GB / 8GB / 16GB | 1GB / 2GB / 4GB / 8GB | |
| Voltage | 1.2V | | 1.35 | V / 1.5V |

Notes

- 1. C.T. (0°C~70°C) / W.T.(-40°C~85°C) ∘
- 2. Both C.T.&W.T. available •



» I/O CARD

| mini PCI-e | | | | | |
|--------------------------|---------------------------------|--------------------------------------|---------------------------------|---------------------------------|--|
| Reference Photo | | | | | |
| Model Name | EMP0011 | EM30021 | EM20021 | EMS0021 | |
| Кеу Туре | Parallel Controller Cards | Serial & Parallel Controller Card | Serial RS232 Controller Card | SATA Controller Card | |
| Form Factor | Mini PCI-e | Mini PCI-e | Mini PCI-e | Mini PCI-e | |
| Chipset ID | Oxford-OXPCle952 | Oxford-OXPCle952 | Oxford-OXPCle952 | Asmedia-ASM1061 | |
| Number of Ports | Parallel x1 | Parallel x1 RS232 x1 | R\$232 x2 | SATAIII x2 | |
| Dimensions | 30(W) x 52(L) mm | 30(W) x 52(L) mm | 30(W) x 52(L) mm | 30(W) x 52(L) mm | |
| Operating Temperature | -10℃ to 80℃ | -10°C to 80°C | -10℃ to 80℃ | -10℃ to 80℃ | |
| OS Compatibility | Windows2000/XP/ 2003/Vista/7 | Windows2000/XP/ 2003/Vista/7 | Windows2000/XP/ 2003/Vista/7 | Windows2000/XP/ 2003/Vista/7 | |

| mini PCI-e | | | | | |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--|
| Reference Photo | | | | | |
| Model Name | EM10011 | EML0011 | EML0021 | EMU0021 | |
| Key Type | Firewire Controller Card | Network Card | Network Card | USB 3.0 Controller Card | |
| Form Factor | Mini PCI-e | Mini PCI-e | Mini PCI-e | Mini PCI-e | |
| Chipset ID | Texas-Instruments- XIO2213B | Realtek-RTL8111E | Realtek-RTL8111E | Renasas-µPD720202 | |
| Number of Ports | 1394b x2 1394a x1 | Giga Lan x1 | Giga Lan x2 | USB3.0 x2 | |
| Dimensions | 30(W) x 52(L) mm | |
| Operating Temperature | 0°C to 70°C | -10℃ to 80℃ | -10℃ to 80℃ | -10℃ to 80℃ | |
| OS Compatibility | Windows2000/XP/ 2003/Vista/7 | Windows2000/XP/ 2003/Vista/7 | Windows2000/XP/ 2003/Vista/7 | Windows2000/XP/ 2003/Vista/7 | |



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| | | | PCI | | | |
|--------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|--|
| Reference Photo | | | | | The same of the sa | The state of the s |
| Model Name | EIP0011 | El20011 | El20021 | EIU0041 | EILOO11 | EIU0021 |
| Кеу Туре | Parallel Controller Cards | Serial RS232 Controller Card | Serial RS232 Controller Card | USB 3.0 Controller Card | Network Card | USB 3.0 Controller Card |
| Form Factor | PCI | PCI | PCI | PCI | PCI | PCI |
| Chipset ID | Moschip -mcs9865 | Moschip -mcs9865 | Moschip -mcs9865 | Renesas (NEC uPD720201) | Realtek RTL8169SC | Renesas (NEC UPD720202) |
| Number of Ports | Parallel x1 | RS232 x1 | RS232 x2 | USB3.0 x4 | Giga Lan x1 | USB3.0 x2 |
| Dimensions | 55(W) x 120(L) mm | 55(W) x 120(L) mm | 55(W) x 120(L) mm | 121mm x 134mm x 22mm | 121mm x 134mm x 22mm | 121mm x 134mm x 22mm |
| Operating Temperature | -10℃ to 80℃ | -10°C to 80°C | -10℃ to 80℃ | -10°C to 80°C | -10°C to 80°C | -10℃ to 80℃ |
| OS Compatibility | Windows 2000/ XP/2003/Vista/7 | Windows 2000/ XP/2003/Vista/7 | Windows 2000/ XP/2003/Vista/7 | Windows 2000/ XP/2003/Vista/7 | Windows 32bit / 64bit / Mac OS | Win 7 ,Win 8 ,Win 10 Server 2012, Vista, XP and Linux |

| | | PCI-e | | | |
|--------------------------|-------------------------------------|---------------------------|------------------------------|------------------------------|--|
| Reference Photo | | | | | |
| Model Name | EE40021 | EEP0011 | EE20011 | EE20021 | |
| Кеу Туре | Serial RS422/485 Controller Card | Parallel Controller Cards | Serial RS232 Controller Card | Serial RS232 Controller Card | |
| Form Factor | PCle | PCIe | PCle | PCle | |
| Chipset ID | Systembase-1052 | Moschip-mcs9901CV-CC | Moschip-MCS9922CV-AA | Moschip-MCS9922CV-AA | |
| Number of Ports | RS422/485 x2 | Parallel x1 | RS232 x1 | RS232 x2 | |
| Dimensions | 70(W) x 96(L) mm | 67(W) x 99(L) mm | 68(W) x 99(L) mm | 67(W) x 99(L) mm | |
| Operating Temperature | -10°C to 80°C | -10°C to 80°C | -10°C to 80°C | -10°C to 80°C | |
| OS Compatibility | Windows 2000/XP/2003/Vista/7 | | | | |

| | | P | CI-e | | | | |
|--------------------------|--|--|------------------------------|--|----------------------------|--|--|
| Reference Photo | The state of the s | | 1 | A STATE OF THE STA | | | |
| Model Name | EEL0011 | EESOR21 | EESOR41 | EEU0021 | EEU0041 | | |
| Кеу Туре | Network Card | SATA RAID Controller Card | SATA RAID Controller Card | USB 3.0 Controller Card | USB 3.0 Controller Card | | |
| Form Factor | PCle | PCle | PCle | PCle | PCle | | |
| Chipset ID | Realtek RTL8168E | Marvell 88SE9128 | Marvell 88SE9230 | Renesas (NEC UPD720202) | Renesas (NEC uPD720201) | | |
| Number of Ports | Giga Lan x1 | SATAIII x2 | SATAIII x4 | USB3.0 x2 | USB3.0 x4 | | |
| Dimensions | 121mm x 79.3mm x 22mm | 121mm x 79.3mm x 22mm | 121mm x 84mm x 22mm | 121mm x 79.3mm x 22mm | 121mm x 89mm x 22mm | | |
| Operating Temperature | -10°C to 80°C | 0℃ - 85℃ | -10℃ to 80℃ | -10℃ to 80℃ | -10°C to 80°C | | |
| OS Compatibility | | Win 7 , Win 8 , Win 10, 2008, 2012, Vista, XP, 2003 and Mac OS | | | | | |



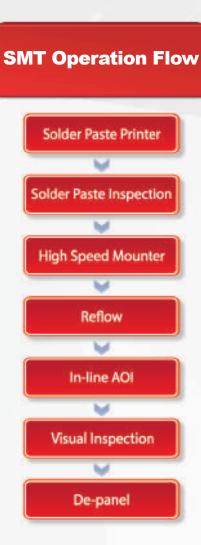
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| | Others Products | | | | | |
|--------------------------|------------------------|---------------------|--|---|-------------------------------------|--|
| Reference Photo | | | | | To the late of | |
| Model Name | ESF0011 | ESC0011 | EEM0011 | EEG0012 | EEG0011 | |
| Кеу Туре | SATA to CFAST Reader | SATA to CF Reader | Mini PCI-e to PCIe x1 card | M.2 B Key to PCIe | M.2 NVMe SSD to PCIe 3.0 x4 Card | |
| Form Factor | SATA | SATA | PCle | PCle | PCIe 3.0 x4 | |
| Number of Ports | CFAST | CF card x1 | MiniPCle x1 | M.2 B Key and B-M Key x1 Micro-SIM card slot x1 | M.2 NVMe SSD x1 | |
| Dimensions | 121mm x 78.1mm x 22mm | 121mm x 81mm x 22mm | 121mm x 88mm x 22mm | 121mm x 84mm x 22mm | 121mm x 179mmx 22mm | |
| Operating Temperature | -10℃ to 80℃ | -10℃ to 80℃ | -10℃ to 80℃ | -40°C to 80°C | -40°C to 80°C | |
| OS Compatibility | Windows, MAC and Linux | | | | | |
| Notes | - | - | 1. Such as Wireless Module 2. Support PCIe based MiniPCIe Card and USB2.0 based MiniPCIe Card | - | - | |

| | Others Products | | | | | |
|--------------------------|---|--|---------------------------|---|--|--|
| Reference Photo | 200 (100 (100 (100 (100 (100 (100 (100 (| © 22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | |
| Model Name | EMG0012 | EMG0011 | ESM0011 | ESGM021 | | |
| Кеу Туре | M.2 E Key to miniPCle | M.2 B Key to miniPCle card | mSATA to 2.5 " SATA Drive | mSATA or M.2 SSD to 2.5 " SATA Drive | | |
| Form Factor | MiniPCle | MiniPCle | 2.5 " SATA | 2.5 " SATA | | |
| Number of Ports | M.2 E Key | M.2 B Key and B-M Key x1 Micro-SIM card slot x1 | mSATA x1 | M.2 B Key and B-M Key x1 mSATA x1 | | |
| Dimensions | 30mm x 54.5mm x 7mm | 30mm x 93.5mmx 7mm | 100.45mm x 69.85mm x 7mm | 100.45mm x 69.85mm x 7mm | | |
| Operating Temperature | -40°C to 80°C | -40°C to 80°C | -40°C to 85°C | -10℃ to 80℃ | | |
| OS Compatibility | Windows, MAC and Linux | | | | | |
| Notes | 1. Support M.2 wireless module that USB base and PCle base. | 1. Such as WWAN (CDMA, GPS, LTE) Module | _ | - | | |

| | Others Products | | | | | |
|--------------------------|-------------------------------------|-----------------------------------|--|--|--|--|
| Reference Photo | | | | Transi di | | |
| Model Name | ESG0011 | ESMOR21 | ESG0R21 | E2G0011 | | |
| Кеу Туре | M.2 SATA SSD to 2.5 " SATA Drive | mSATA to 2.5 " SATA RAID Drive | M.2 SATA SSD to 2.5 " SATA RAID Drive | M.2 NVMe SSD to NVMe U.2 2.5" SSD Drive | | |
| Form Factor | 2.5 " SATA | 2.5 " SATA | 2.5 " SATA | U.2 2.5 " | | |
| Chipset ID | - | Jmicron JMS562 | Asmedia ASM1092R | - | | |
| Number of Ports | M.2 SATA SSD x1 | mSATA x2 | M.2 SATA SSD x2 | M.2 NVMe SSD x1 | | |
| Dimensions | 100.45mm x 69.85mm x 7mm | 100.45mm x 69.85mm x 7mm | 100.45mm x 69.85mm x 7mm | 100.45mm x 69.85mm x 7mm | | |
| Operating Temperature | -10℃ to 80℃ | -10℃ to 80℃ | -10℃ to 80℃ | -10°C to 80°C | | |
| OS Compatibility | | Windows, MAC and Linux | | | | |







Environment & Quality Policy

Quality Policy

Fast delivery, reliable quality, customer satisfaction.

Occupational Health & Environment Policy

- Continuous Improvements: Improve the operation environment and ensure industrial safety and health.
- Labor Safety: Stress factory facilities safety to protect labor safety.
- Smoking Prevention:
 Committed to workplace smoking prevention and health promotion, certified healthy workplace.

Environment Quality Commitment

- Regulations Compliance:
 Conform to regulations abide by government environment protection regulations actively.
- Pollution prevention:
 Continuously reduce energy consumption to mitigate impact on environment safety
- Save Energy: Improve energy electric and recycle every bit of reusable

GOOD SERVICE

- Thanks to team efforts by excellent R&D, manufacturing and QC, Panram has won ISO9001 certification and globally-recognized product quality.
- Panram has been committed to direct sale from its production site to make the best inventory with minimized risks of material price fluctuation and fast, on-time delivery by aligning with the comprehensive distribution systems of the courier industry.

PROFESSIONAL & CUSTOMIZED

- Provide customers with the best specialty technology.
- Provide customers with a full range of services including product design, material sourcing, logistics management, shipping, product test, and maintenance to help customer in respond quickly to market demands by combining the manufacturing process, profession management skill, and global logistics.

COOPERATION

- Maintain good partnerships with suppliers.
- Panram has good relationships with major suppliers of DRAM and flash memory ICs.

Quality Certification



OHSAS 18001:2007



ISO 14001:2015

