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|--|-------------------------|-----------------------------------|-------------------------------|----------------------------|-------|
| Test Environment | | No. | E201 | - | 20 |
| MotherBoard | ASUS Z97A | Mother Board BIOS | 2205 | | |
| CPU | Core i5-4670 | Power | 女人志向 KRPR-SS600W/85+ | | |
| Memory | DDR3 1600 4GB *4 | OS | Windows8.1 Professional 64bit | | |
| Interface Product | ThunderBolt | Firmware Version Driver Version | DSL3510 | | |
| Products : ARC-1883x | | | | | |
| Firme Ware Version | 1.52-20141230 | Boot Version BIOS Version | 1.23 | | |
| Driver Version | 6.20.00.31 | other | | | |
| HDD Status | | | | | |
| Product | SDSSDXPS480G X 7 | Firme Ware Version | | | |
| Configurations | | | | | |
| RAID Level | RAID 0 | Stripe Size | 16kb | | |
| Read ahead Cache | enable | Cache Mode | Write Back | | |
| NCQ Support | enable | Command Queuing | enable | | |
| IOMeter setting / Result Data (Intel IOMeter 1.10 RC1) | | Pattern . | 1 | Number of outstanding I/Os | |
| Test Area | 20000000 Sectors 約 10GB | Run / Ramp Up Time | 10 min / 30 sec | | 1 QD |
| Access Specification Name | IOPs | Read Iops | Write Iops | MBps | % CPU |
| File Server Access Patterns | 5780.76 | 4624.66 | 1156.10 | 62.58 | 5.22 |
| Web Server Access Patterns | 5711.00 | 5711.00 | 0.00 | 87.91 | 3.88 |
| Database Access Patterns | 5875.80 | 3937.61 | 1938.19 | 45.90 | 5.00 |
| Workstation Access Patterns | 5894.73 | 4717.17 | 1177.56 | 46.05 | 5.92 |
| IOMeter setting / Result Data (Intel IOMeter 1.10 RC1) | | Pattern . | 1 | Number of outstanding I/Os | |
| Test Area | 20000000 Sectors 約 10GB | Run / Ramp Up Time | 10 min / 30 sec | | 32 QD |
| Access Specification Name | IOPs | Read Iops | Write Iops | MBps | % CPU |
| File Server Access Patterns | 39529.74 | 31625.30 | 7904.44 | 427.70 | 9.81 |
| Web Server Access Patterns | 43211.14 | 43211.14 | 0.00 | 663.90 | 14.32 |
| Database Access Patterns | 38961.33 | 26101.53 | 12859.81 | 304.39 | 13.24 |
| Workstation Access Patterns | 38302.27 | 30638.85 | 7663.42 | 299.24 | 15.25 |
| IOMeter setting / Result Data (Intel IOMeter 1.10 RC1) | | Pattern . | 2 | Number of outstanding I/Os | |
| Test Area | 20000000 Sectors 約 10GB | Run / Ramp Up Time | 20 sec / 10 sec | | 1 QD |
| Access Specification Name | IOPs | Read Iops | Write Iops | MBps | % CPU |
| 512B Sequential Read 100% | 55535.87 | 55535.87 | 0.00 | 27.12 | 8.81 |
| 1K Sequential Read 100% | 55097.01 | 55097.01 | 0.00 | 53.81 | 8.73 |
| 2K Sequential Read 100% | 54076.61 | 54076.61 | 0.00 | 105.62 | 7.80 |
| 4K Sequential Read 100% | 52438.34 | 52438.34 | 0.00 | 204.84 | 8.26 |
| 8K Sequential Read 100% | 49101.02 | 49101.02 | 0.00 | 383.60 | 8.13 |
| 16K Sequential Read 100% | 43870.80 | 43870.80 | 0.00 | 685.48 | 7.02 |
| 32K Sequential Read 100% | 34377.32 | 34377.32 | 0.00 | 1074.29 | 6.24 |
| 64K Sequential Read 100% | 23314.39 | 23314.39 | 0.00 | 1457.15 | 6.59 |
| 128K Sequential Read 100% | 15312.49 | 15312.49 | 0.00 | 1914.06 | 5.72 |
| 256K Sequential Read 100% | 8376.25 | 8376.25 | 0.00 | 2094.06 | 6.16 |
| 512K Sequential Read 100% | 4135.78 | 4135.78 | 0.00 | 2067.89 | 6.50 |
| 1M Sequential Read 100% | 2197.57 | 2197.57 | 0.00 | 2197.57 | 7.48 |
| 2M Sequential Read 100% | 1273.75 | 1273.75 | 0.00 | 2547.49 | 3.54 |
| 4M Sequential Read 100% | 708.60 | 708.60 | 0.00 | 2834.40 | 5.74 |
| 8M Sequential Read 100% | 392.33 | 392.33 | 0.00 | 3138.62 | 9.31 |
| 16M Sequential Read 100% | 205.07 | 205.07 | 0.00 | 3281.05 | 6.72 |
| 512B Sequential Write 100% | 53723.75 | 0.00 | 53723.75 | 26.23 | 7.74 |
| 1K Sequential Write 100% | 53069.96 | 0.00 | 53069.96 | 51.83 | 7.65 |
| 2K Sequential Write 100% | 52156.05 | 0.00 | 52156.05 | 101.87 | 7.57 |
| 4K Sequential Write 100% | 50788.24 | 0.00 | 50788.24 | 198.39 | 7.29 |
| 8K Sequential Write 100% | 47681.51 | 0.00 | 47681.51 | 372.51 | 7.21 |
| 16K Sequential Write 100% | 42548.16 | 0.00 | 42548.16 | 664.81 | 6.84 |
| 32K Sequential Write 100% | 34911.23 | 0.00 | 34911.23 | 1090.98 | 6.60 |
| 64K Sequential Write 100% | 25641.17 | 0.00 | 25641.17 | 1602.57 | 5.42 |
| 128K Sequential Write 100% | 13812.91 | 0.00 | 13812.91 | 1726.61 | 7.05 |
| 256K Sequential Write 100% | 6845.02 | 0.00 | 6845.02 | 1711.26 | 7.63 |
| 512K Sequential Write 100% | 3816.62 | 0.00 | 3816.62 | 1908.31 | 7.69 |
| 1M Sequential Write 100% | 1993.98 | 0.00 | 1993.98 | 1993.98 | 7.18 |
| 2M Sequential Write 100% | 1135.03 | 0.00 | 1135.03 | 2270.06 | 9.01 |
| 4M Sequential Write 100% | 619.00 | 0.00 | 619.00 | 2475.99 | 6.56 |
| 8M Sequential Write 100% | 352.66 | 0.00 | 352.66 | 2821.32 | 11.94 |
| 16M Sequential Write 100% | 189.67 | 0.00 | 189.67 | 3034.75 | 8.52 |
| 512B Random Read 100% | 6682.93 | 6682.93 | 0.00 | 3.26 | 3.79 |
| 1K Random Read 100% | 6581.34 | 6581.34 | 0.00 | 6.43 | 3.62 |
| 2K Random Read 100% | 6486.55 | 6486.55 | 0.00 | 12.67 | 3.53 |
| 4K Random Read 100% | 6215.51 | 6215.51 | 0.00 | 24.28 | 3.44 |
| 8K Random Read 100% | 5981.18 | 5981.18 | 0.00 | 46.73 | 3.46 |
| 16K Random Read 100% | 5673.55 | 5673.55 | 0.00 | 88.65 | 3.27 |
| 32K Random Read 100% | 4774.58 | 4774.58 | 0.00 | 149.21 | 2.87 |
| 64K Random Read 100% | 3991.45 | 3991.45 | 0.00 | 249.47 | 2.81 |
| 128K Random Read 100% | 3178.40 | 3178.40 | 0.00 | 397.30 | 2.86 |
| 256K Random Read 100% | 2011.85 | 2011.85 | 0.00 | 502.96 | 2.71 |
| 512K Random Read 100% | 1367.50 | 1367.50 | 0.00 | 683.75 | 2.32 |
| 1M Random Read 100% | 888.42 | 888.42 | 0.00 | 888.42 | 2.95 |
| 2M Random Read 100% | 572.56 | 572.56 | 0.00 | 1145.11 | 4.48 |
| 4M Random Read 100% | 333.73 | 333.73 | 0.00 | 1334.91 | 3.79 |
| 8M Random Read 100% | 200.49 | 200.49 | 0.00 | 1603.93 | 4.46 |
| 16M Random Read 100% | 117.48 | 117.48 | 0.00 | 1879.66 | 4.89 |
| 512B Random Write 100% | 49829.57 | 0.00 | 49829.57 | 24.33 | 7.04 |
| 1K Random Write 100% | 48564.60 | 0.00 | 48564.60 | 47.43 | 7.16 |
| 2K Random Write 100% | 46043.39 | 0.00 | 46043.39 | 89.93 | 6.54 |
| 4K Random Write 100% | 41255.13 | 0.00 | 41255.13 | 161.15 | 5.84 |
| 8K Random Write 100% | 33276.74 | 0.00 | 33276.74 | 259.97 | 5.71 |
| 16K Random Write 100% | 23310.94 | 0.00 | 23310.94 | 364.23 | 5.28 |
| 32K Random Write 100% | 17099.71 | 0.00 | 17099.71 | 534.37 | 5.55 |
| 64K Random Write 100% | 16188.29 | 0.00 | 16188.29 | 1011.77 | 5.08 |
| 128K Random Write 100% | 12115.14 | 0.00 | 12115.14 | 1514.39 | 6.95 |
| 256K Random Write 100% | 6794.14 | 0.00 | 6794.14 | 1698.54 | 7.65 |
| 512K Random Write 100% | 3708.67 | 0.00 | 3708.67 | 1854.34 | 7.34 |
| 1M Random Write 100% | 1965.78 | 0.00 | 1965.78 | 1965.78 | 7.20 |
| 2M Random Write 100% | 1133.68 | 0.00 | 1133.68 | 2267.35 | 7.57 |
| 4M Random Write 100% | 624.35 | 0.00 | 624.35 | 2497.42 | 4.98 |
| 8M Random Write 100% | 347.28 | 0.00 | 347.28 | 2778.24 | 12.08 |
| 16M Random Write 100% | 187.54 | 0.00 | 187.54 | 3000.68 | 8.26 |