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MA-E4xx シリーズ

共通仕様

CPU		Qualcomm IPQ-8068 1.4GHz (Qualcomm Krait Dualcore)
RAM		1GiBytes
Flash ROM		NAND 512MiBytes, SPI NOR 2MiB(boot)
Interface	Ethernet	1000BASE-TX x 2, 1000BASE-TX 4port HUB x 1 SFP port x 1
	WAN	USBデータ通信アダプタ
	Serial	RS-232(DTE) DB9 Max460.8kbps x 1
	USB	USB2.0 High-Speed Host x 1 (Type-A)
SD Card		SDHC対応 x 1
Console		Linux Console用 USB-Serial (micro-B)
LED		System: Power x 1, Status x 3 (bi-color)

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Benchmarks

OpenSSL

AES-128-CBC

```
~$ openssl speed -evp aes-128-cbc -elapsed
You have chosen to measure elapsed time instead of user CPU time.
Doing aes-128-cbc for 3s on 16 size blocks: 9756538 aes-128-cbc's in 3.01s
Doing aes-128-cbc for 3s on 64 size blocks: 2988359 aes-128-cbc's in 3.00s
Doing aes-128-cbc for 3s on 256 size blocks: 791779 aes-128-cbc's in 3.00s
Doing aes-128-cbc for 3s on 1024 size blocks: 201940 aes-128-cbc's in 3.00s
Doing aes-128-cbc for 3s on 8192 size blocks: 25376 aes-128-cbc's in 3.00s
OpenSSL 1.0.2g 1 Mar 2016
built on: reproducible build, date unspecified
options:bn(64,32) rc4(ptr,char) des(idx,cisc,16,long) aes(partial)
blowfish(ptr)
compiler: cc -I. -I.. -I../include -fPIC -DOPENSSL_PIC -DOPENSSL_THREADS -
D_REENTRANT -DDSO_DLFCN -DHAVE_DLFCN_H -DL_ENDIAN -g -O2 -fstack-protector-
strong -Wformat -error=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -Wl,-
Bsymbolic-functions -Wl,-z,relro -Wa,--noexecstack -Wall -
DOPENSSL_BN_ASM_MONT -DOPENSSL_BN_ASM_GF2m -DSHA1_ASM -DSHA256_ASM -
```

DSHA512_ASM -DAES_ASM -DBSAES_ASM -DGHASH_ASM

The 'numbers' are in 1000s of bytes per second processed.

type	16 bytes	64 bytes	256 bytes	1024 bytes	8192 bytes
aes-128-cbc	51862.00k	63751.66k	67565.14k	68928.85k	69293.40k

AES-256-CBC

```
~$ openssl speed -evp aes-256-cbc -elapsed
```

You have chosen to measure elapsed time instead of user CPU time.

Doing aes-256-cbc for 3s on 16 size blocks: 7515995 aes-256-cbc's in 3.01s

Doing aes-256-cbc for 3s on 64 size blocks: 2220974 aes-256-cbc's in 3.00s

Doing aes-256-cbc for 3s on 256 size blocks: 578945 aes-256-cbc's in 3.00s

Doing aes-256-cbc for 3s on 1024 size blocks: 147174 aes-256-cbc's in 3.00s

Doing aes-256-cbc for 3s on 8192 size blocks: 18425 aes-256-cbc's in 3.00s

OpenSSL 1.0.2g 1 Mar 2016

built on: reproducible build, date unspecified

options:bn(64,32) rc4(ptr,char) des(idx,cisc,16,long) aes(partial)

blowfish(ptr)

compiler: cc -I. -I.. -I../include -fPIC -DOPENSSL_PIC -DOPENSSL_THREADS -

D_REENTRANT -DDSO_DLFCN -DHAVE_DLFCN_H -DL_ENDIAN -g -O2 -fstack-protector-

strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -

Wl,-Bsymbolic-functions -Wl,-z,relro -Wa,--noexecstack -Wall -

DOPENSSL_BN_ASM_MONT -DOPENSSL_BN_ASM_GF2m -DSHA1_ASM -DSHA256_ASM -

DSHA512_ASM -DAES_ASM -DBSAES_ASM -DGHASH_ASM

The 'numbers' are in 1000s of bytes per second processed.

type	16 bytes	64 bytes	256 bytes	1024 bytes	8192 bytes
aes-256-cbc	39952.13k	47380.78k	49403.31k	50235.39k	50312.53k

UnixBench

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