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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 × 1, SFP port × 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)

導入済みパッケージ一覧

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