HX316C10FW/8

8GB 1G x 64-Bit DDR3-1600
CL10 240-Pin DIMM

SPECIFICATIONS

CL(IDD)	10 cycles
Row Cycle Time (tRCmin)	48.125ns (min.)
Refresh to Active/Refresh Command Time (tRFCmin)	260ns (min.)
Row Active Time (tRASmin)	37.5ns (min.)
Maximum Operating Power	TBD W*
UL Rating	94 V - 0
Operating Temperature	0° C to 85° C
Storage Temperature	-55° C to +100° C

*Power will vary depending on the SDRAM used.

DESCRIPTION

HyperX HX316C10FW/8 is a 1G x 64-bit (8GB) DDR3-1600 CL10 SDRAM (Synchronous DRAM) 2Rx8 memory module, based on sixteen 512M x 8-bit DDR3 FBGA components. This module has been tested to run at DDR3-1600 at a low latency timing of 10-10-10 at 1.5V. Additional timing parameters are shown in the PnP Timing Parameters section below. The JEDEC standard electrical and mechanical specifications are as follows:

Note: The PnP feature offers a range of speed and timing options to support the widest variety of processors and chipsets. Your maximum speed will be determined by your BIOS.

PnP JEDEC TIMING PARAMETERS:

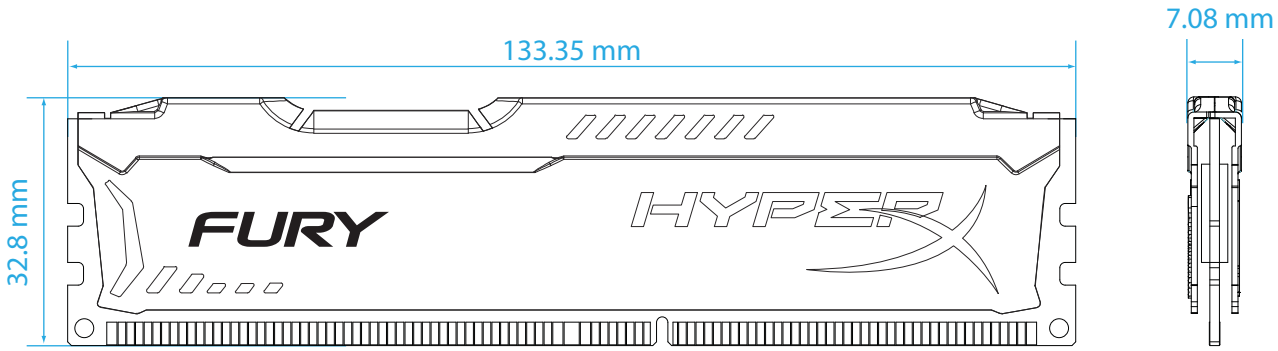
- DDR3-1600 CL10-10-10 @1.5V
- DDR3-1333 CL9-9-9 @1.5V
- DDR3-1066 CL7-7-7 @1.5V

FEATURES

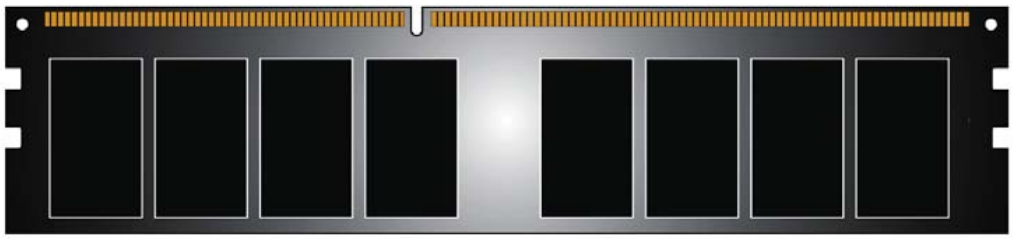
- JEDEC standard 1.5V (1.425V ~1.575V) Power Supply
- VDDQ = 1.5V (1.425V ~ 1.575V)
- 800MHz fCK for 1600Mb/sec/pin
- 8 independent internal bank
- Programmable CAS Latency: 11, 10, 9, 8, 7, 6
- Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- 8-bit pre-fetch
- Burst Length: 8 (Interleave without any limit, sequential with starting address “000” only), 4 with tCCD = 4 which does not allow seamless read or write [either on the fly using A12 or MRS]
- Bi-directional Differential Data Strobe
- Internal(self) calibration : Internal self calibration through ZQ pin (RZQ : 240 ohm ± 1%)
- On Die Termination using ODT pin
- Average Refresh Period 7.8us at lower than TCASE 85°C, 3.9us at 85°C < TCASE ≤ 95°C
- Asynchronous Reset
- Height 1.291” (32.80mm) w/heatsink, double sided component

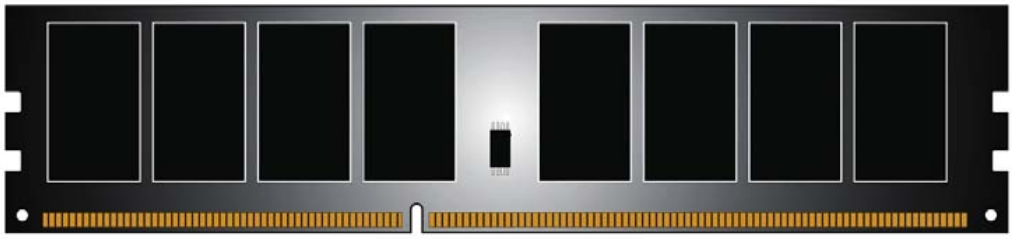
Continued >>

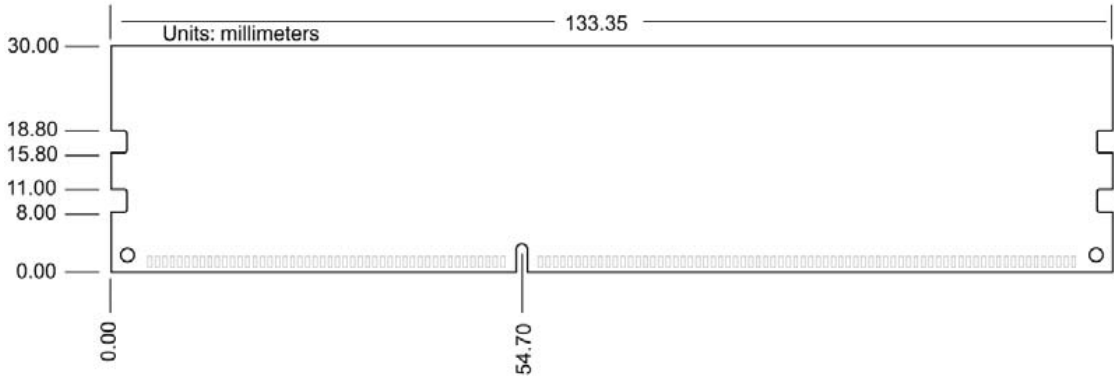
MODULE WITH HEAT SPREADER



MODULE DIMENSIONS







FOR MORE INFORMATION, GO TO WWW.KINGSTON.COM/HYPERX

All Kingston products are tested to meet our published specifications. Some motherboards or system configurations may not operate at the published HyperX memory speeds and timing settings. Kingston does not recommend that any user attempt to run their computers faster than the published speed. Overclocking or modifying your system timing may result in damage to computer components.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for kingston ***manufacturer:***

Other Similar products are found below :

SDCA3/32GB SM2280S3G2/120G 04EPOP08-NL3DM627-B02U SD4/32GB SEDC400S37/960G EMMC16G-W525-X01U 08EPOP04-NL3DT227-A01U SEDC1000H/1600G 04EMCP04-NL2DM627-Z02U 08EMCP04-NL3DT227-A01U B1621PM1WDGTKR-U B5116ECMDXGGB-U EMMC04G-W100-E08U SDA10/128GB KVR13N9S8H/4 D5128EETBPGGBU-U SDA3/32GB D5128EC4BPGGBUI-U SKC400S37/1T KVR21R15D4/16 CF/256 SUV400S37/240G SKC400S37/512G