

# Core 2200 SO-DIMM Modules

OEM Solutions for USB extension



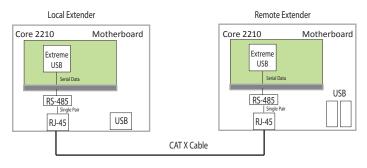
The Core 2200 SO-DIMM daughter cards, powered by ExtremeUSB®, provide both USB 1.1 and USB 2.0 extension in four options providing a highly flexible OEM solution over Cat X or Fiber Optics.

Module	USB	Media	Transmission	Reach	USB Devices
Core 2210	USB 2.0 – 12, 16, 24, or 36Mbps	Cat X – Utilizes a single pair for USB	RS-485 Driver	100m+1	Keyboards, mice, flash drives, USB 1.1 web cameras
Core 2220	USB 2.0 – 100Mbps	Cat X – Utilizes a single pair for USB	Fast Ethernet	100m+	Keyboards, mice, flash drives, hard drives, USB 1.1 web cameras, and some USB 2.0 web cameras
Core 2230	USB 2.0 – 480Mbps	Cat X – Utilizes four pairs for USB	Gigabit Ethernet	100m	All devices
Core 2240	USB 2.0 – 480Mbps	Fiber Optics	High Speed Differential Pair	500m <sup>2</sup>	All devices

<sup>1</sup>300m can be achieved with lower bandwidth USB devices - Keyboards, mice <sup>2</sup>10km can be achieved with lower bandwidth USB devices - Keyboards, mice

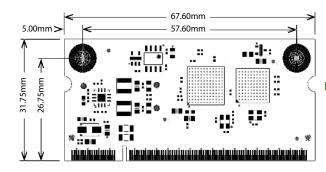
# **Core 2210 Application Example**

Not all connections shown



### Dimensions

Illustrations are approximate, not to scale





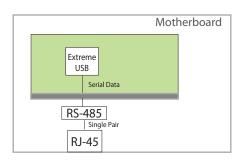
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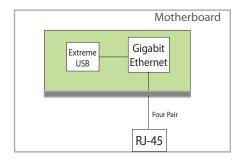
# Core 2200 SO-DIMM Modules

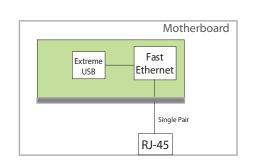
#### Not all connections shown

Core 2210



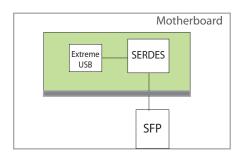
# Core 2230





Core 2220

Core 2240



Ordering In	formation			
PART #	NAME	DESCRIPTION		
		A Developer Kit includes two motherboards, two SO-DIMM modules, Quick Start Guide, Developer Kit CD with reference designs, USB cable, and two power adapters. SFP modules are only included in the Core 2240 Developer Kit.		
00-00293	Core 2210 Developer Kit	Core 2210 Developer Kit, 100-240V Power Adapter with No Power Cords		
00-00294	Core 2220 Developer Kit	Core 2220 Developer Kit, 100-240V Power Adapter with No Power Cords		
00-00295	Core 2230 Developer Kit	Core 2230 Developer Kit, 100-240V Power Adapter with No Power Cords		
00-00296	Core 2240 Developer Kit	Core 2240 Developer Kit, 100-240V Power Adapter with No Power Cords		
21-00055	Power Cord-NA	Power Cord, North American Plug		
21-00056	Power Cord-EU	Power Cord, European Plug		
21-00057	Power Cord-UK	Power Cord, UK Plug		
21-00058 Power Cord-AU		Power Cord, Australian Plug		
		Two SO-DIMM modules are needed to complete a system. Each module can be configured as a Local Extender or Remote Extender. A Developer Kit must be purchased before modules.		
10-00221	Core 2210	Core 2210 SO-DIMM Module - USB 2.0 up to 36Mbps with Serial Single Pair		
10-00222	Core 2220	Core 2220 SO-DIMM Module - USB 2.0 up to 100Mbps with Fast Ethernet Single Pair		
10-00223	Core 2230	Core 2230 SO-DIMM Module - High-Speed USB 2.0 with Gigabit Ethernet		
10-00224	Core 2240	Core 2240 SO-DIMM Module - High-Speed USB 2.0 with Fiber Optic		
		#90-00848-A01   Specifications subject to change without notification. $@$ 2011		