EUROCOM PANTHER 5

PRODUCT OVERVIEW

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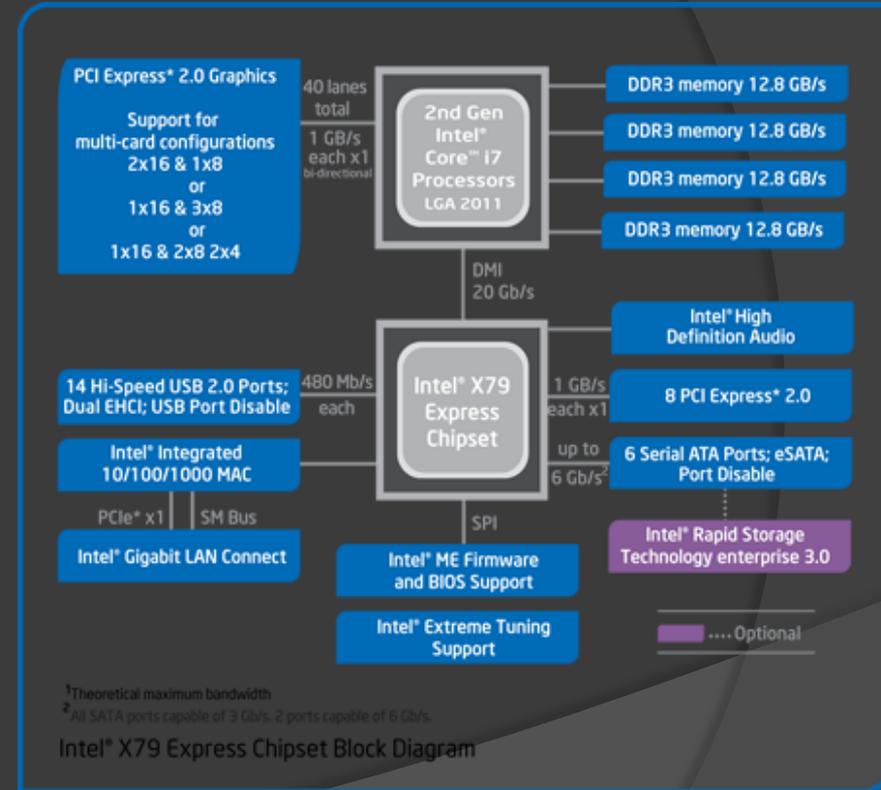
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Innovations

- Intel 'Sandy Bridge – E' platform

- High performance Intel X79 desktop chipset

- Intel Core i7 and Xeon E5-2600 series desktop processors

- Four memory sockets

- Firmware supports UEFI

- HDMI 1.4a, DP 1.2

- Dual GPU solution – SLI/CF ready

Key Technologies – X79 Chipset

- LGA2011 Socket (Sandy Bridge –E)

- Quad channel via 4 DDR3 slots
  1. Up to 32GB RAM
  2. Planned 64GB support
  3. Supports 1333MHz & 1600MHz

- CPU classes
  1. Workstation - i7 3xx0 series
  2. Gaming - i7 39x0X Extreme series
  3. Server - Xeon E5 series

- Planned support for future Ivy Bridge – E CPUs

Intel® X79 Express Chipset Block Diagram

Key Technologies - UEFI

- **U**niversal **E**xtensible **F**irmware **I**nterface

- Evolution of BIOS technology

- Boot from 2TB+ disks

- Faster boot up time

- Web access in pre-OS environment

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Key Technologies - VGA

- Dual MXM 3.0b VGA cards – 100W each.
  - up to NVIDIA GTX 980M or AMD R9-M290X.

- SLI/CrossFireX ready.

- Supports NVIDIA Quadro cards – up to 5100M.

Key Technologies - Storage

- Supports 3 disks + optical.

- Optical drive can be swapped for 4th disk.

- RAID 0/1/5/10 supported.

- Two SATA 6Gbp/s ports.

Key Technologies - Security

- Includes Trusted Platform Module.
  - Stores keys on hardware for increased security
  - Each TPM has a unique RSA key for computer verification.

- Biometric fingerprint scanner

Design Principles

- Long lifespan

- Fully upgradeable

- Choices – configurable to meet your needs

- Heavy-duty construction designed for occasional abuse

- Easy deployment – single image across all units

- Low TCO (hardware, software & support costs)

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Product Roles

1. Engineering workstation (Quadro VGA)

2. General-purpose high performance workstation

3. High performance gaming workstation (SLI/CF)

4. Mobile Server (Xeon processors)

1. Engineering Workstation

- VGA card options: NVIDIA Quadro 5100M 4GB – 1536 CUDA cores
  NVIDIA Quadro 4100M 4GB – 1152 CUDA cores
  NVIDIA Quadro 3100M 4GB – 768 CUDA cores
  NVIDIA Quadro 2100M 2GB – 574 CUDA cores

- RAM options: Four slots – can be configured with 2, 4 or 8GB DIMMS
  Maximum of 32GB (8GB x4) @ 1600/1866/2133MHz

- Processor options: i7 4960X   @ 3.6 GHz w/ 15MB cache
  i7 4930K   @ 3.4 GHz w/ 12MB cache
  i7 4820K   @ 3.7 GHz w/ 10MB cache

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1. Engineering Workstation

- 3 physical disks + optical drive.
  - Swap optical drive for 4th disk
  - 2x SATA 6Gbp/s
  - 2x SATA 3Gbp/s
  - RAID 0/1/5/10 support
  - Maximum total capacity of 4TB

- Dimensions (WxDxH): 419 x 286 x 55.7- 62.1mm
  16.76 x 11.44 x 2.31 – 2.48 inch
- Weight: 5.5kg (12.1 lbs)

2. General-purpose high performance workstation

- Processor: up to i7 4960X Extreme

- RAM: From 4GB up to 32GB

- NVIDIA VGA options: up to GTX 980M

- AMD VGA options: up to R9-M290X

3. High performance gaming workstation

- NVIDIA VGA options: up to GTX 980M

- AMD VGA options: up to R9-M290X

- Processor: up to Intel i7 4960X 3.6 GHz Extreme w/ 15MB cache

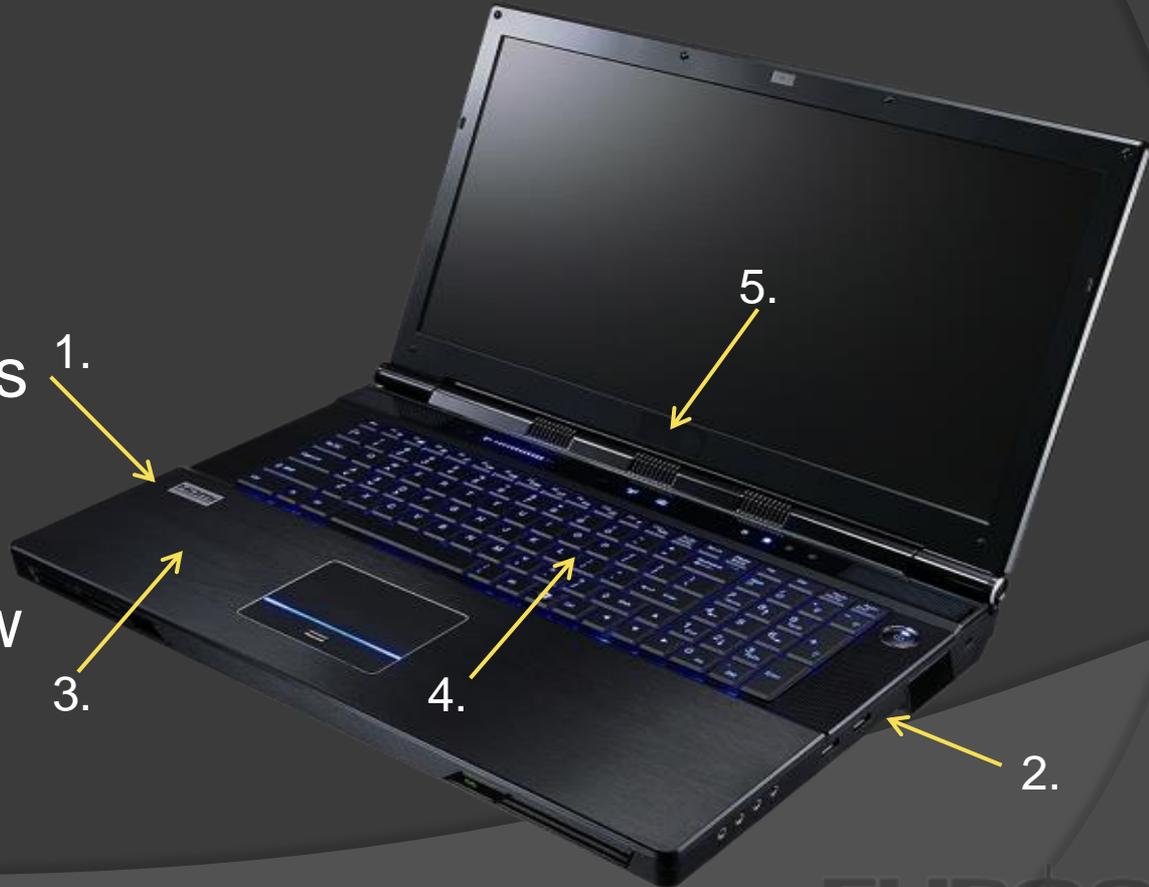- Overclocking ready

- Seven colour customizable backlit keyboard

4. Portable All-in-one server

- Processor: Xeon E5 series

- RAM: up to 32GB(4x8GB) – planned 64GB support

- Up to 4 hard disks
  - 2x SATA 6Gbp/s
  - 2x SATA 3Gbp/s
  - RAID 0/1/5/10 support

- UEFI support for 2TB+ boot volumes

Exterior Overview

Overview Order
1. Ports List
2. Left Side Ports
3. Right Side Ports
4. Top Case
5. Keyboard View
6. 3D Emitter View

1. Ports list

- 3x USB 3.0 (1x powered)
- 2x USB 2.0
- 1x eSATAp (USB 3.0 combo port)
- 1x Mini IEEE 1394b
- 1x DisplayPort
- 1x DVI-I
- 1x HDMI 1.4a out (w/ HDCP)

- 1x Headphone jack
- 1x Microphone jack
- 1x S/PDIF output jack
- 1x Line-in jack
- 1x RJ-45 LAN
- 1x ExpressCard 54/34
- 1x SD card reader
- 1x DC-in jack

2. Ports Overview – Left side

1. DVI – I
2. Intel 82579V LAN
3. HDMI 1.4a
4. DP 1.2
5. USB 3.0
6. SERIAL eSATA 3 Gb/s + eSATAp
7. TI X102221ZAY Firewire
8. Blu-ray Disc + DVD

3. Ports Overview – Right side

1. S/PDIF
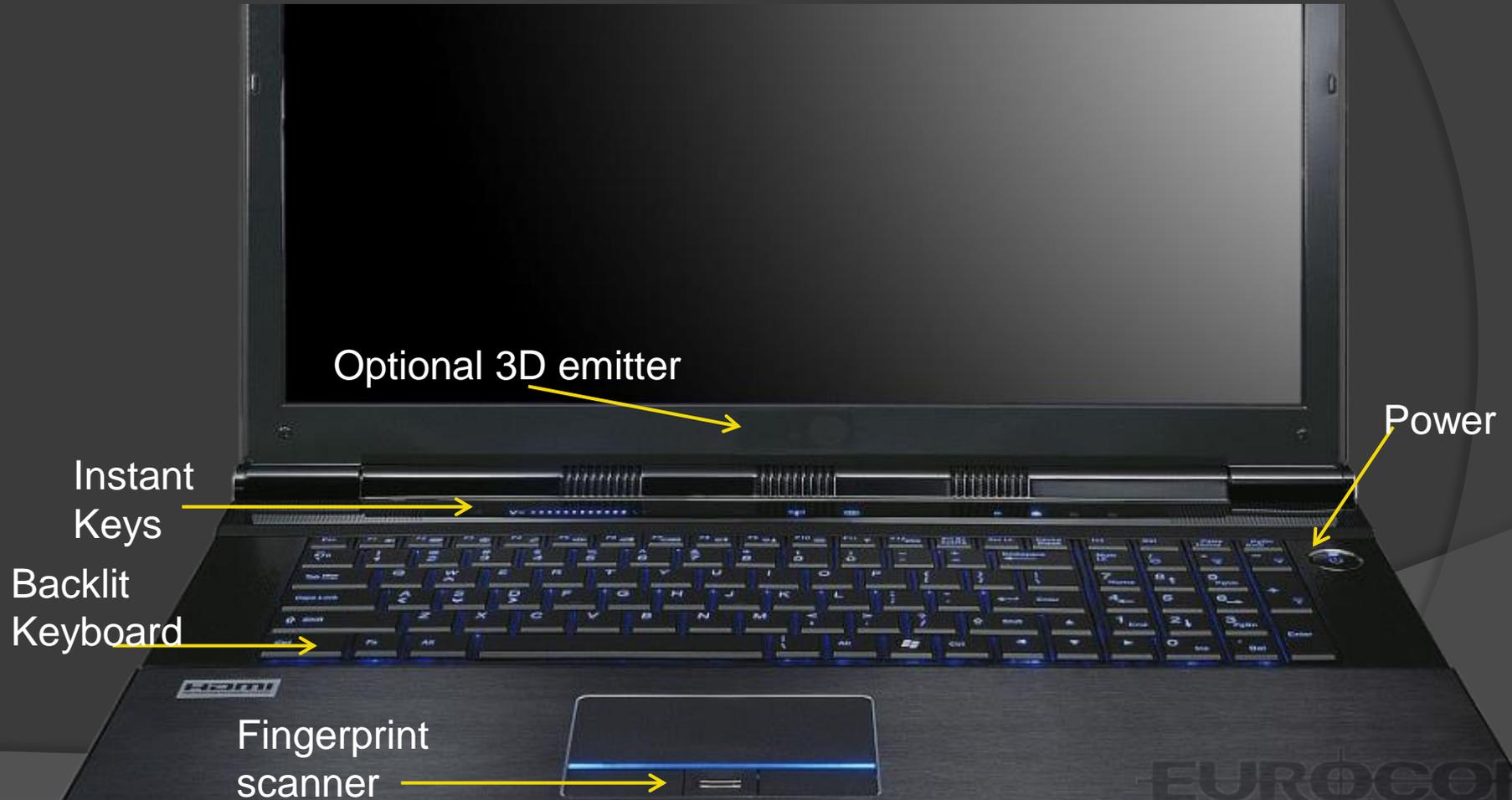2. Audio in
3. Microphone
4. Headphones

5. USB 2.0

6. Kensington security slot

4. Overview – Top case

Optional 3D emitter

Power

Instant Keys

Backlit Keyboard

Fingerprint scanner

5. Detail View - Keyboard

7 colours available – configurable via system software

6. Detail View – 3D Emitter

Optional 3D emitter syncs with NVIDIA active shutter glasses.

Requires 120Hz panel for onboard 3D display.