



The EON17-SLX's sleek look is a nice change of pace from aggressively styled gaming laptops.

Origin EON17-SLX

Desktop power, minus the desktop

WE'VE BEEN EVALUATING a lot of lower-powered laptops in the last few months. Well, in relative terms at least. You can get a lot of mileage out of a GTX 1060 or 1070-powered mid-tier laptop, especially if all you're interested in is gaming at 1080p. But for gaming at 4K, and benchmarks that match up to high-end desktops, you're going to need something more.

The EON17-SLX from Origin PC is just that—all the components and performance of a top-end desktop PC crammed into a portable machine. Sure, it's heavy and bulky for a laptop, weighing 12 pounds (not including the two 330W power bricks) and measuring just shy of two inches thick, but that's to be expected, considering the components inside.

Let's start with the CPU. The EON17-SLX we tested opts for a desktop-class Intel Core i7-7700K clocked at 4.2GHz. Combined with 32GB of DDR4-2400 RAM, the EON17 scored some of the highest benchmarks we've ever seen for a laptop. In Cinebench R15, the EON17 scored 893, which blows out our (admittedly out-of-date) laptop zero-point, and nearly matches the bar for desktops. TechARP's x264 told a similar story: 19.76 blows out the laptop competition, and nearly matches some of the best desktops we've tested.

Storage is also an area where the EON17-SLX excels, because its primary storage is handled by a super-fast 512GB Samsung 960 Pro NVMe SSD—more than enough for the OS and several large triple-A games. If that's not enough, the 960 Pro is backed up by a 2TB Seagate FireCuda flash-accelerated HDD. That's a ton of snappy storage space that makes the EON17 an excellent mobile workstation.

TWO FOR THE ROAD

Now let's talk games. For pixel-pushing, the EON17-SLX packs two Nvidia GeForce GTX 1080s—the kind of hardware that makes gaming at 1080p seem rather pointless. Nonetheless, we conduct our gaming benchmarks at 1080p, so bear with us as we go through some numbers we would classify as “overkill.”

Far Cry Primal was the EON17's weakest showing, with a frames-per-second

score of only 91 in the game's built-in benchmark. That's still a good 20–30fps higher than most laptops we've tested, but not especially impressive compared to desktop hardware. *The Division* was a different story, with the EON17's 137fps nearly doubling the desktop zero-point. We saw the same thing in *Rise of the Tomb Raider*, where the EON17 scored an average of 115fps across the game's three-part benchmark (163fps in the Mountain Pass, 101fps in Syria, and 80fps in the Geothermal Valley)—much higher than both our laptop and desktop zero-points. 3DMark Fire Strike returned a score of 24,498—similarly impressive, even by desktop standards.

Like we said, it's overkill for 1080p. But what about 4K? Origin's EON17-SLX is available in 1080p, 1440p with 120Hz refresh rate, or 4K at 60Hz refresh variants, all with G-Sync. The unit we tested was the 4K variant, which seems the most apt for a GTX 1080 SLI loadout—especially considering that SLI doesn't always play nice at 1080p.

The pair of cards performed handily at 2160p, maintaining average frame rates above 60fps in every gaming benchmark we performed. *Rise of the Tomb Raider* returned scores of 94fps in the Mountain Pass, 71fps in Syria, and 70fps in the Geothermal Valley, for an average of 79fps. Similarly impressive, *Far Cry Primal* and *The Division* scored 75fps and 64fps, respectively. Of course, laptop or not,

most top-end gaming rigs that offer that sort of performance come with a price tag to match. The EON17-SLX is no different, coming in at a few hundred dollars shy of five grand for the unit we tested. That's a big pile of cash—but, hey, you can't take it with you. The EON17, you can. —BO MOORE



Origin EON17-SLX

KING OF THE ROAD Portable 4K performance; snappy storage sleek design.

OUT OF GAS Thick and heavy; just as expensive; requires two large power bricks.

\$4,787, www.originpc.com

SPECIFICATIONS

Processor	Intel Core i7-7700K @ 4.2GHz
Graphics	2x Nvidia GeForce GTX 1080 8GB SLI
RAM	32GB DDR4-2400
Screen	17-inch 4K IPS G-Sync
Primary Storage	512GB Samsung 960 Pro PCIe NVMe M.2 SSD
Secondary Storage	2TB Seagate 2.5-inch FireCuda flash-accelerated HDD
Keyboard	Backlit multi-color keyboard
Battery	89Wh
PSU	2x 330W PSU
Weight	12lb

BENCHMARKS

	ZERO-POINT	
Cinebench R15	682	893 (31%)
TechARP's x264 (fps)	15.17	19.76 (30%)
CrystalDiskMark 4K Read	44	55 (25%)
CrystalDiskMark 4K Write	162	186 (15%)
Far Cry Primal (fps)	37	91 (146%)
The Division (fps)	33	137 (315%)
Rise of the Tomb Raider (fps)	42	115 (174%)
3DMark Fire Strike	6,583	24,493 (272%)

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Our gaming laptop zero-point is the Asus G752VT-DH72, with an Intel Core i7-6700HQ, a 3GB GTX 970M, and 16GB of DDR4-2133.