Devices/Embedded: Ibase, Raspberry Pi and ODYSSEY X86J4105800

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- **Rugged, 28.6-inch signage PC supports Linux** [4]

  Ibase's EN50155-certified MRD-286? is a 28.6-inch, bar-type panel PC for passenger info and signage applications that runs Linux or Win 10 on an Apollo Lake SoC. It offers IP65 protection and -20 to 55°C support.

  Public touchscreen computers are a tough sell in these tough days of contagion, but there are plenty of applications out there that don't need our grubby fingers to operate. Ibase refers to the MRD-286 as a panel PC, but its super wide-screen, bar-type, 28.6-inch display lacks touch support.

- **The Off-Grid CyberDeck Is a Computer for the Apocalypse** [5]

  With a Raspberry Pi and other parts, it's simple to build a rugged waterproof computer to ride out the collapse of civilization.
The ODYSSEY X86J4105800 is a single-board computer with a 10 watt Intel Celeron J4105 quad-core Gemini Lake processor, 8GB of RAM. Available from SEEED Studio for $188, it?s basically a full-fledged mini-desktop computer on a 4.3? x 4.3? board, complete with support for Windows 10 or most GNU/Linux distributions.

[...]

It?s also an Arduino-compatible device thanks to an integrated ARM Cortex-M0+ co-processor. And there?s a 40-pin Raspberry Pi-compatible header, another 28-pin header, and several other developer-friendly features.

[...]

The 40-pin connector means you can use Raspberry Pi HATs with the system. The ARM microcontroller means you can program ARuino applications on the device. And there?s even a SIM card slot that allows you to use the system as a router or gateway when used with a cellular modem.