COM-Ultra Module Targets Ruggedized Applications

Advantech, a global embedded computing leader providing embedded platform solutions across multiple vertical markets through deployment of intelligent applications and services, announced the release of SOM-7562 B1 COM-Ultra Module based on the Intel N455 processor. The new B1 version module with N455 processor from Intel incorporates upgraded memory technology from DDR2 to DDR3, wider temperature (-40 ~ 85°C) provision, and an optional 5 V-only version with more competitive power consumption.
SOM-7562, the first COM-Ultra low power solution released last year, is especially suited to portable device applications since the N455 platform is integrated in a compact board (84 x 55 mm) as small as a credit card. Power consumption is fully utilized to give good performance with great power saving. An all-in-one solution with system memory and flash disk onboard, SOM-7562 performs stably under high vibration environments and the whole design is super compact for space limited applications.

The inherited compact form factor, software utility support, and all-in-one solution advantage from the A1 version, SOM-7562 B1 further upgrades memory capacity from 512 MB to 1 GB, making systems run more even smoothly. The Intel N455 processor has been upgraded to support DDR3 with better performance than DDR2, and incorporates better energy saving technology.

With its rock solid design, SOM-7562 B1 proves its ability under extended temperature environments of between -40 ~ 85°C, and under high vibration conditions of 3.5 Grms with a frequency 5-500Hz, which makes ideally suited for a wide variety of demanding applications. For those customers especially looking for low power consumption, other than optimization of BIOS features, SOM-7562 B1

could be optionally engineered to run on as low as 5 volts. The 5V only version reduces as much as 1 watt power consumption with standard 12V power supply, providing customers with another way to improve power efficiency.

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