Limited Edition (120 units total) Kit

The Premium Plus kit is our flagship model - the first new Microbee product to be released in 20+ years after the relaunch of the brand. Information on the Premium Plus is included here as a information only page as the Limited Edition run has all been sold.

" We have put together a limited quantity of the Premium Plus Microbee. These kits include original circuit boards, all components, and a comprehensive construction manual. We've also added some extras to make the Premium Plus, the best microbee yet. "

By designing a new coreboard, we've put in new technology enabling the Premium Plus to be a Dual Processor computer!
All of the normal Microbee functionality has been retained and it still uses a Z80 processor but now we've added a Freescale Coldfire processor into the mix which opens up a whole new world of software availability running under uClinux!

Here are the specifications :

Dual Microprocessors - * Z80 microprocessor @ 3.375Mhz   * Coldfire V2 (MCF52259) @ 80Mhz^
2 Mb Ram (1Mb shared space, 1Mb exclusive to the Coldfire processor)
32k PCG Ram, 2K Color Ram, 2K Attribute ram, 4K font rom
Original Premium Series Case,
Full 64 Key Keyboard with newly sourced keyswitches & keytops.
Microbee standard DB15 Parallel port, Microbee standard DB25 Serial port,
Second serial port for up to 115k baud^,
Physical Floppy disk interface supporting up to 2 external floppy drives (option)^,
SD Card interface for file storage, with Floppy Disk emulation in 'Z80' mode
status indicator LED for SD activity^.
Ethernet Network port (10/100) including status indicator LEDs for Link Valid & Speed^.
Monochrome composite Video out, Color composite Video out (option), Color TTL video (to CGA monitor)
Full, new release Microbee Shell / CCP / INIT / TRANSFER / BACKUP software to support 800k ram disk.
Built in software :
Disk boot prom, Self Test, Machine Langauge Monitor.   ^ indicates functionality / feature
Other software on SDcard : uCLinux,   is part of the new coreboard design.
Z80 mode Microbee Shell etc.

Microbee Premium Plus Coreboard Block Diagram   © 2011 Microbee Technology

Building the Microbee Premium Plus kit computer...