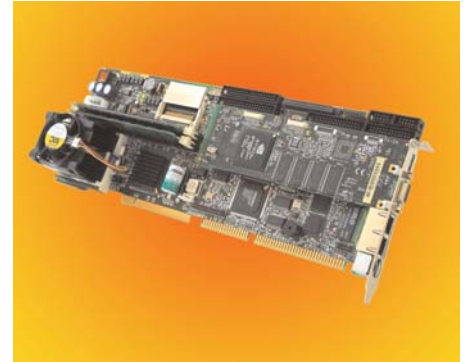


COINMASTER GAMING



MAT915 embedded computer platform for gaming console

Project definition

Coinmaster Gaming PLC's market research identified an opportunity to supply advanced gaming machines for the casino market. For their virtual horse racing game, "Winning Post," the player consoles required high performance three dimensional graphics for up to eight players, supporting an individual 18.1 inch TFT screen for every player. Each player terminal needed to be capable of selection of an individual view of the race, to accept bets, and to be able to selectively whip the horse into greater action. The whole system also had to be expandable to up 250 terminals allowing non players to bet on each race, and to offer spectators a full view of the race in progress, a 42 inch central plasma screen also needed to be supported.

Customer profile

Established for 20 years, Coinmaster Gaming PLC have rapidly developed into one of the world's leading manufacturers of automatic Roulette, Bingo and Virtual Race products for the casino and arcade markets both in the UK and abroad.

Major challenges

To meet the high performance and advanced graphics demands of the console, Coinmaster not only needed a compact embedded computer solution with high performance, but also the reliability of a 'fit-and-forget' product capable of 24/7 operation. On top of this, the product selected would need to be supported by long term supply and full technical support.

Chosen product

The versatile MAT915 single board computer was chosen as the platform for Coinmaster's system. With its Pentium® III processing power and standalone 5V power option, removing the requirement for a backplane, it allowed for a very compact and reliable solution. The MAT915 supports an AGP daughter card arrangement allowing the use of Microbus' high performance VID998 nVidia® GeForce2 MX400 graphics card. This single board computer solution allied to Microsoft's Embedded XP operating system has ably met the high graphics performance requirement.