

Circuit Description

VGA extension of the circuit description of the work:

VGA Extender is based on the differential transmission signal after signal after the long haul will not be achieved attenuation characteristics of the input differential signal VGA signals after long-distance transmission can still guarantee a good signal and the VGA screen.

VGA Extender is divided into transmitter and receiver in two parts.

Transmitter circuit is a single VGA input signal differential signal, interface circuit to achieve through cable transmission. Receiver circuit is the network interface circuit transmission line from the VGA differential signal decoded to restore VGA signal into another amplifier output will enlarge. As the receiver provides the R, G, B and the contrast adjustment to meet the different equipment showed that the results show.

Due to the characteristics of this circuit IC equipment supply

needs of plus or minus DC power supply. As the equipment used in metal materials can shield the outside world so the signal interference machinery to guarantee the normal work.