How to connect PC / HMI to a Redundancy system with a single IP address ?

Two Wincon-8347/8747 & Wincon-8346/8746 can setup as one redundancy system. The PC / HMI / SCADA software can connect to one I-7188EX-MTCP to convert Modbus TCP/IP protocol to become Modbus RTU RS-485 protocol and then to these two redundancy controllers as below figures. Then the HMI software running on PC can use only one target IP address (7188EX-MTCP's IP) to link to the redundancy system.

Related link:

I-7188EX-MTCP : http://www.icpdas.com/products/PAC/i-7188_7186/Modbus_PAC.htm
Redundancy system : http://www.icpdas.com/faq/isagraf/036.htm
NS-205 / NS-208 : http://www.icpdas.com/products/Switch/industrial/ethernet_switch.htm
M-7000 I/O : http://www.icpdas.com/products/Remote_IO/m-7000/m-7000_list.htm

Figure 1:

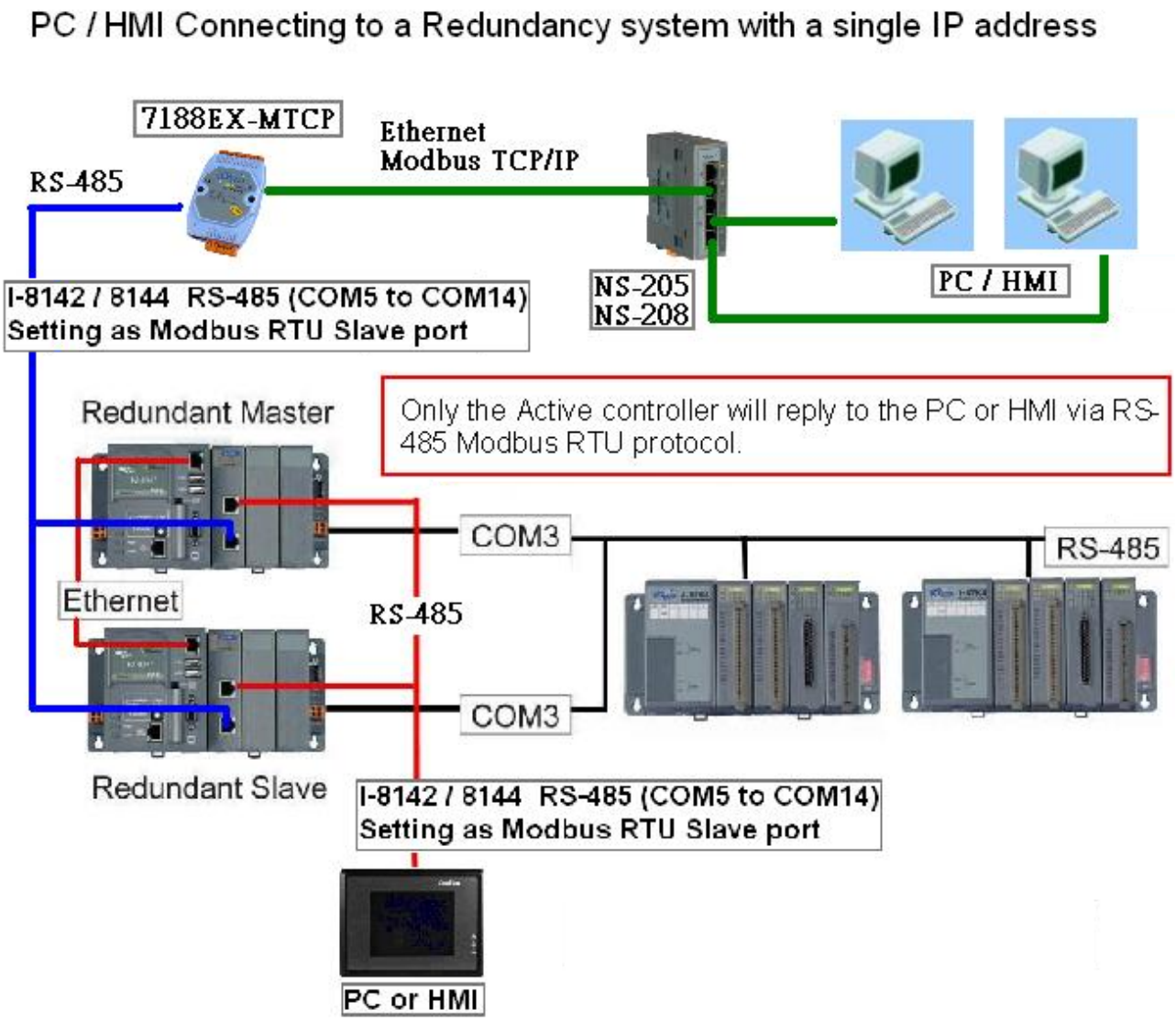

Figure 2:

The redundancy system supports not only I-87K I/O in I-87K4/5/8/9 base, but also M-7000 series I/O modules. http://www.icpdas.com/products/Remote_IO/m-7000/m-7000_list.htm

Two redundancy Wincon-8x47 / Wincon-8x46 can connect their LAN1 to LAN1 and also LAN2 to LAN2. If one cable is damaged, the other one still works.