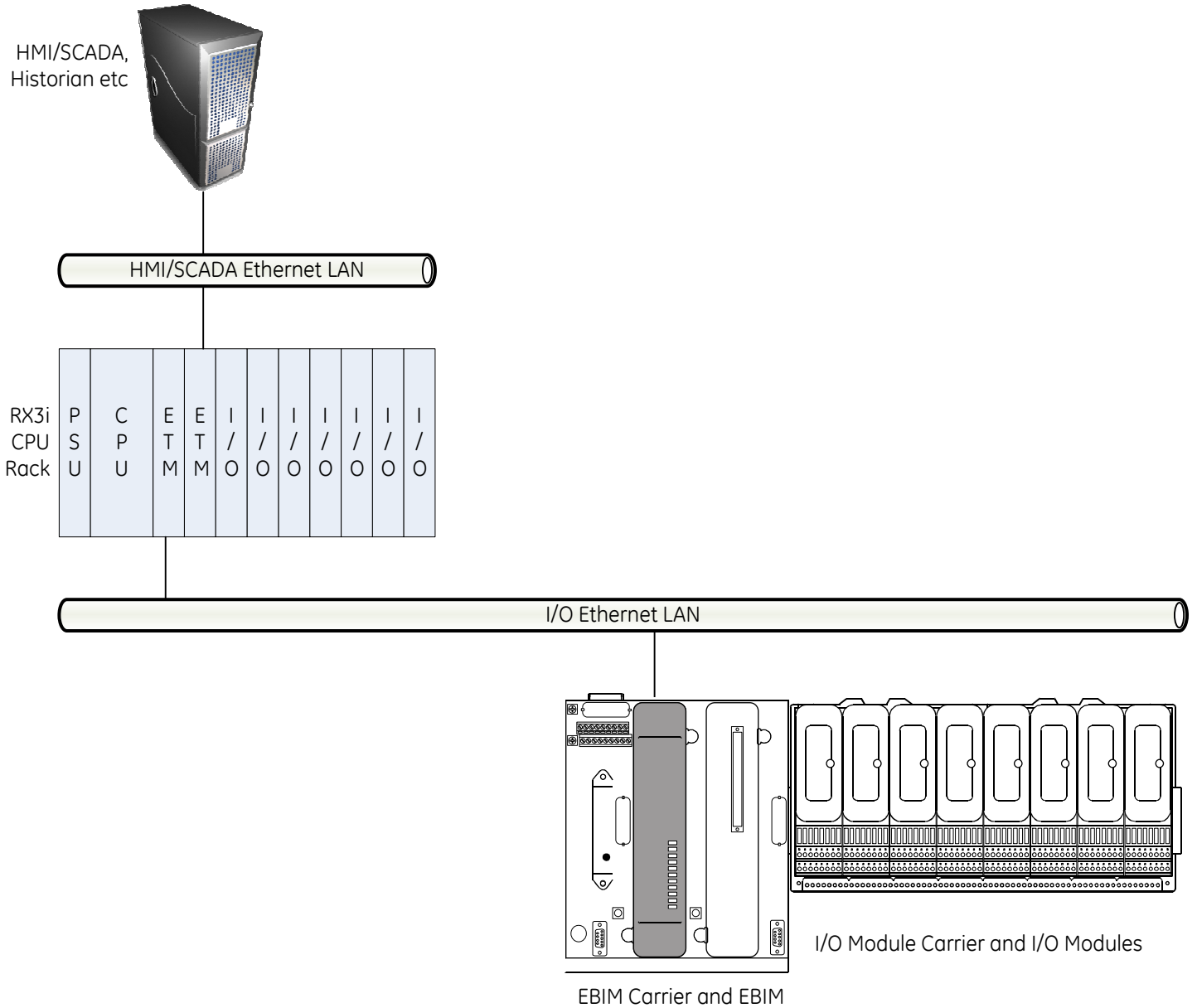




## PACSystems RX3i Controller To 8000 I/O EBIM System Architecture (Simplex)



Key  
 PSU – Power Supply Unit (DC unit shown)  
 CPU – Central Processing Unit  
 ETM – Ethernet Interface Module  
 I/O – Inputs and Outputs  
 EBIM – Ethernet Bus Interface Module

Notes  
 RX3i Main CPU rack may be 12 or 16 slots  
 Maximum 7 local expansion racks, max distance 300 metres  
 Local expansion I/O racks may be 5 or 10 slots  
 No limit on Ethernet remote I/O  
 Maximum I/O – 32,768 discrete in, 32,768 discrete out,  
 32,768 analogue in, 32,768 analogue out  
 ETM includes switch for daisy chaining of Ethernet network  
 EBIMS each have duplex Ethernet port (Modbus TCP Server)  
 Up To 64 I/O modules per EBIM node  
 Maximum distance of Railbus 6.5 metres