z/OS Class HMC & IOCP

The Hardware Management Console communicates with each Central Processor Complex (CPC) through the CPC's Support Element (SE). A *support element* is a dedicated workstation used for monitoring and operating a system. It is attached to the central processor complex (CPC) of a system. If you have experience using other systems, you may have used a processor console, support processor, or a similarly named workstation to monitor and operate them. The IBM System z *integrated support elements*, are located inside the same frame that the central processor complex (CPC) is located. An alternate support element is also provided to give you the option to switch from your primary support element to your alternate support element if hardware problems occur. Unlike previous IBM zSeries processors that operate in both logically partitioned mode (LPAR) and basic mode, the z/890 and z/990 and above operate only in logically partitioned mode. Note: A *Hardware Management Console* is 'required' for monitoring and operating systems with integrated support element

The Support Element Console Application is a licensed application that provides the tasks you will use to monitor and operate your system. The application is shipped with each support element. The version number of the Support Element Console Application is displayed in the title bar of the Support Element Logon window and also the Support Element Workplace window. The Support Element Console Application starts automatically whenever the support element is turned on or rebooted. Starting the application begins the process of initializing it. A window displays the IBM Logo and copyright information. When the process completes, the logon window is displayed. You are logged on the support element console automatically when you establish a session with the support element from a Hardware Management Console.

When tasks are performed at the Hardware Management Console, the commands are sent to one or more support elements which then issue commands to their CPCs. CPCs can be grouped at the Hardware Management Console so that a single command can be passed along to as many as all of the CPCs defined to the Hardware Management Console. One Hardware Management Console can control up to 100 support elements and one support element can be controlled by 32 Hardware Management Consoles.

You start and control the stand-alone version of IOCP from the Hardware Management Console through the CPC Console task or from the support element (SE). Run the IOCP to define I/O configuration data when you operate your system before installing z/OS (or VM) or when you operate your system with a control program other than these. You can then start IOCP by selecting the I/O Configuration task from the support element or Hardware Management Console. In any case it would be best that you review the pubs as a startup. Please ensure once you secured a RSCLINK ID you download your appropriate installed machine literature. I am also including the CHIPID Mapping Tool.