DPM-7700

High-performance ATC display server

The DPM-7700 is Barco's latest graphics display server that allows ATC application servers to be separated from the controller working position. DPM-7700 acts as a high-performance networked graphics device for distributed systems and combines the latest graphics processing and computing performance into a compact, fanless package.

With the DPM-7700 as a separate display server, there is no longer a need for graphics generation on the application computer. This separation between graphics server and application computer offers a number of advantages:

· The application computer's **overall performance** increases and more advanced system architectures become possible. The application server is fully dedicated to compute-only operations since graphics controllers and input device interfaces are not required.
· The **space** required for the controller working position can be **organized** more **efficiently**. The application server can even be placed in an equipment room hundreds of meters away.
· The split between graphics – application allows for more cost-efficient, **spread investments**. Upgrades of the application server can be done without changing any other part of the system.

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Technical specifications

Software	• Linuxoperating system • X11 server • BITEthrough SNMP • Add-onsoftware option
Hardware	• Small form factor housing (305x305x64mm – 12x12x2.5 inch) Standalone or ISIS rear mountable • Active Power Factor Correction Power supply – universal AC input • Processor: Intel® based, low power, small form factor • 2 GB RAM • Solid state drive 4 GB USB (option 2.5" SATA flash drive 16/64 GB) • 4 port of Gb Ethernet (standard 2 ports copper) (option 2 ports - copper or fiber) • 2 video outputs (DVI-I 4M Pixel each) (optionally 4 video outputs) • Peripheral IO: 6xUSB • Audio AC'97 – HDA, stereo output • Power on/off switch / reset button • Power on/off indicator • Environmental specification highlights • Operating temperature: +10°C to +40°C • Storage temperature: -10°C to +60°C • Relative humidity: 10-80% non-condensing • Vibration: 0.5g up to 50Hz • Shock: 15g, 6msec • EMI/EMC • Safety: EN60950-1:2001 / CE Mark • Other specification