ARM-based Thin Virtual Desktop Client Integrating Electrical Power Control with Monitor

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Abstract—This paper proposes ARM-based thin virtual desktop client integrating electrical power control with monitor. User can turn on/off both of client and monitor using one monitor power button. This client consists of client power controller and ARM-based virtual desktop client. The client power controller performs integrated power control. The controller detects power-on and power-off events of the monitor and controls power of the client. For power-on event, the client power controller turns on directly the power line of the client. For power-off event, the controller controls both of the power line and power management SW module of the client. The size of the client is compact and mountable to backside of the monitor with VESA mount.

Keyword—Monitor, Power Control, Thin Client, Virtual Desktop

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