



cbas NETWORK ARCHITECTURE



Overview

In "DPU to Controller" mode all connections to DDC controllers are initiated by the DPU to each controller's IP address. Controllers are referenced in the software by their IP address

In "Controller to DPU" mode each DDC controller initiates connections to the DPU's IP address. Controllers are referenced in the software by their MAC (serial) address.

Both types of connections can be supported simultaneously by the DPU.



CBAS Web Server

- » Can connect to multiple DPUs simultaneously
- » TCP port 80, 8080 to receive incoming HTTP requests
- » TCP port 22 optional for factory support



CBAS GW

- » No incoming ports needed



Site Router

- » TCP 80, 8080: CBAS Web Server
- » TCP 8750: Offsite GWs
- » TCP 8787: Offsite DDC, "Controller to DPU"

Switch/Hub



CBAS DPU

- » TCP Port 8750 to receive GW connections
- » TCP Port 3306, 16000 to receive CBW connections
- "DPU to Controller"
- » No incoming ports needed
- "Controller to DPU"
- » TCP Ports 8770, 8771, 8787 – to receive Controller connections



Internet

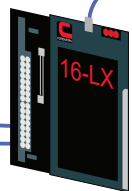


Offsite CBAS GW

- » No incoming ports needed



Web Browser



CBAS DDC

"Controller to DPU"

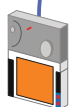
- » No incoming ports needed



CBAS DDC

"DPU to Controller"

- » TCP Port 8760 to receive DPU connections
- » TCP Port 2225 for firmware updates
- » TCP Ports 8770, 8771 for RS485 Host and Secondary



RS-485 Controller



RS-485 Controller



RS-485 Controller



RS-485 Controller

