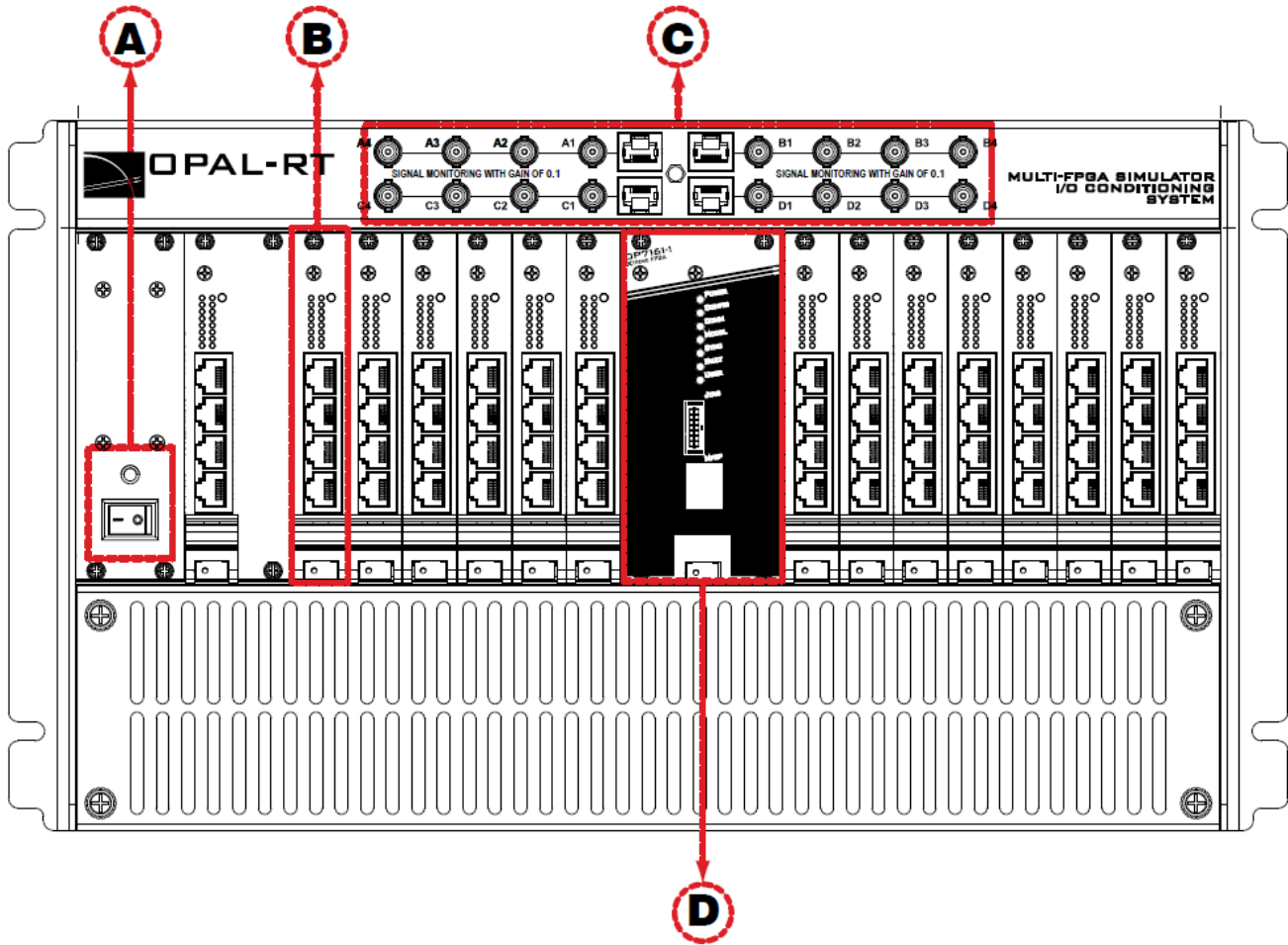


# OP7000 Front Interface



**A: Power switch with LED**

**B: Carrier board (OP7220) interfaces:**

- 16 red LEDs (8 pairs). Light intensity is directly commensurate to voltage (the higher the voltage, the brighter the LED intensity)<sup>1</sup>.
- One Status LED with variable color (see table for display description)

LED	Description
Red	Insufficient power voltage for digital board
Blinking red	Insufficient power voltage for analog board
Blinking orange	No mezzanine upload
Orange	Sanity signal absent
Yellow	All statuses normal
Blinking yellow	Error in analog board even slot

- One column of 4 RJ45 connectors provide connections to monitor output from mezzanine I/O. Each connector represents 4 channels (see [OP7000 Installation and Configuration](#) for more detailed information).

**C: Monitoring connectors:** See [OP7000 Installation and Configuration](#) for instructions on using these connectors.

**D: OP7161 Front interface** providing, from top to bottom :

- Seven LED indicators :

Position	LED	Description
1	Power	On (green) indicates that the unit is powered up.
2	Config	Green indicates that a user-defined configuration (bitstream) is running. Yellow indicates that the safe, default configuration (bitstream) is running. Flashing indicates the configuration is paused.  Off indicates that there is no configuration available..
3	Comm	On (green) indicates communication with the PC is in progress.
4	Model	On indicates model in use.
5	Sync	Green indicates Master synchronization in progress Yellow indicates Slave synchronization in progress
6	Fault	Red indicates a fault.
7	User-defined	Green/Yellow

- One JTAG connector for programming functions. Reserved for OPAL-RT technicians' use
- One RJ45 connector. This connector is DISABLED.