

# Rittal – The System.

Faster – better – everywhere.

## Edge Standalone Solutions EDX 12 & 20kW Closed Loop

Simplify the specification process for your standalone Edge application with Rittal's pre-engineered Edge DX (EDX) platform designs. For higher thermal loads, exceeding the capacities of the EAC standalone platforms, the EDX platforms can scale up to support increasing densities. These integrated enclosure solutions are equipped with cooling, power, monitoring, fire suppression, and accessories

For Edge installations located in uncontrolled environments and exposed to harsh conditions, protection of IT equipment is critical. Rittal's EDX solutions are designed to operate in challenging environments and maintain the proper conditioned space for your hardware.

The EDX system utilizes the Rittal LCP DX, a row-based split cooling system with a highly efficient inverter-controlled compressor, to provide flexible, scalable, and adaptable climate control.



### Edge Standalone Solutions

|  |   |
|--|---|
| Pre-engineered platform solutions - base system with available options for specific application requirements | ✓ |
| Scale as needed – support multiple enclosures and LCP DX units for larger deployments                        | ✓ |
| Safety, security, reliability – designed to maximize resiliency and uptime                                   | ✓ |
| Remote monitoring and control for locations with limited site support  | ✓ |

ENCLOSURES

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## System Parameters

## EDX 12kW

|                     |                   |  |  |
|---------------------|-------------------|--|--|
| General Information | Model Number      | EDX12-1CL                              | EDX12-2CL                              |
|                     | IT Load           | 12kW maximum. 3kW minimum recommended. |  |
|                     | System Equipment  | 1 IT enclosure, 1 LCP DX cooling unit  | 2 IT enclosures, 1 LCP DX cooling unit |
|                     | System Dimensions | 79" (H) x 44" (W) x 48" (D)            | 79" (H) x 75" (W) x 48" (D)            |
|                     | System Color      | Enclosures: Black (RAL 9005)           |  |

## Base System

|                 |               |   |
|-----------------|---------------|---|
| IT Enclosure(s) | Type          | 42U enclosure with glass viewing front and solid rear doors   |
|                 | Dimensions    | 42U/79" (H) x 32" (W) x 48" (D)   |
|                 | Accessories   | Cable Management, TS IT 3-Part Roof, Base Gland Plate, Sidewalls, LED light   |
| Cooling         | Type          | LCP DX row-based cooling; closed loop design. Single circuit air-cooled external condenser with horizontal airflow. |
|                 | Doors         | Solid front and rear doors  |
|                 | Dimensions    | LCP DX unit: 79" (H) x 12" (W) x 48" (D)<br>External condenser: 45.6" (H) x 70" (W) x 18" (D)                       |
|                 | Input Voltage | 208V, 1~, 60Hz  |
|                 | Refrigerant   | R410a   |
|                 | Service       | LCP DX start-up service and extended warranty   |
| Enclosure Base  | Base (Plinth) | 8" raised base on IT and LCP enclosures for installation on slab floor  |

## Options

|            |                   |  |
|------------|-------------------|--|
| Power      | UPS               | 2x - 208V, 1~, 8000VA/6900W, 6U unit   |
|            | Rack PDU          | 2x - 208V, 30A, 1~, 5kW, Smart   |
| Monitoring | Environmental     | Temperature/humidity, leak, and vandalism sensors  |
|            | Remote            | Remote monitoring on web browser; alerts via SNMP and other protocols  |
| Security   | Rack              | Rack access control with PIN pad or card reader. Network camera.   |
| Safety     | Auto Door Opening | Provide thermal ride-through time in emergency event   |
|            | Fire Suppression  | In-rack 1U fire suppression system with Novec 1230; with start-up service (Cannot be used in conjunction with auto door opening) |
| Services   | On-Site           | Mechanical and electrical installation, configuration, commissioning, preventative maintenance                                   |

## System Parameters

## EDX 20kW

|                     |                   |  |  |
|---------------------|-------------------|--|--|
| General Information | Model Number      | EDX20-1CL                              | EDX20-2CL                              |
|                     | IT Load           | 20kW maximum. 5kW minimum recommended. |  |
|                     | System Equipment  | 1 IT enclosure, 1 LCP DX cooling unit  | 2 IT enclosures, 1 LCP DX cooling unit |
|                     | System Dimensions | 79" (H) x 44" (W) x 48" (D)            | 79" (H) x 75" (W) x 48" (D)            |
|                     | System Color      | Enclosures: Black (RAL 9005)           |  |

## Base System

|                 |               |   |
|-----------------|---------------|---|
| IT Enclosure(s) | Type          | 42U enclosure with glass viewing front and solid rear doors   |
|                 | Dimensions    | 472U/79" (H) x 32" (W) x 48" (D)  |
|                 | Accessories   | Cable Management, TS IT 3-Part Roof, Base Gland Plate, Sidewalls, LED light   |
| Cooling         | Type          | LCP DX row-based cooling; closed loop design. Single circuit air-cooled external condenser with horizontal airflow. |
|                 | Doors         | Solid front and rear doors  |
|                 | Dimensions    | LCP DX unit: 79" (H) x 12" (W) x 48" (D)<br>External condenser: 45.6" (H) x 70" (W) x 18" (D)                       |
|                 | Input Voltage | 208V, 1~, 60Hz  |
|                 | Refrigerant   | R410a   |
|                 | Service       | LCP DX start-up service and extended warranty   |
| Enclosure Base  | Base (Plinth) | 8" raised base on IT and LCP enclosures for installation on slab floor  |

## Options

|            |                   |  |
|------------|-------------------|--|
| Power      | UPS               | 3x - 208V, 1~, 8000VA/6900W, 6U unit   |
|            | Rack PDU          | 4x - 208V, 30A, 1~, 5kW, Smart   |
| Monitoring | Environmental     | Temperature/humidity, leak, and vandalism sensors  |
|            | Remote            | Remote monitoring on web browser; alerts via SNMP and other protocols  |
| Security   | Rack              | Rack access control with PIN pad or card reader. Network camera.   |
| Safety     | Auto Door Opening | Provide thermal ride-through time in emergency event   |
|            | Fire Suppression  | In-rack 1U fire suppression system with Novec 1230; with start-up service (Cannot be used in conjunction with auto door opening) |
| Services   | On-Site           | Mechanical and electrical installation, configuration, commissioning, preventative maintenance                                   |

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