

**Model: M770-48X6Q**

40G L3 Routing Switch

- 6x 40G QSFP+
- 48 x 10GE SFP+
- L3 management


**Technical Parameter-hardware**

| Service Port           |                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------|
| 100G Port:             | 6 x 40G QSFP+                                                                                        |
| 10G Port:              | 48 x 10G SFP+                                                                                        |
| Management Port        |                                                                                                      |
| Console:               | 1 RJ-45 Console port                                                                                 |
| OOB:                   | 1 RJ-45 out-of-band management port                                                                  |
| USB:                   | Not available                                                                                        |
| Switching              |                                                                                                      |
| Switching Capability:  | 1.44 Tbps                                                                                            |
| Forwarding Rate:       | 1071.36 Mpps                                                                                         |
| Latency:               | 700 ns                                                                                               |
| Switching Method:      | Store and Forwarding/Cut Through                                                                     |
| System                 |                                                                                                      |
| CPU:                   | Dual core, ARM A53                                                                                   |
| FLASH:                 | 8GB                                                                                                  |
| RAM:                   | 2GB                                                                                                  |
| Buffer:                | 36MB                                                                                                 |
| Power                  |                                                                                                      |
| Structure:             | Dual redundant pluggable power modules                                                               |
| Power type:            | Support AC, DC or HVDC                                                                               |
| AC Voltage:            | 100 ~ 240V, 50/60Hz                                                                                  |
| DC Voltage:            | DC40 ~ 72V                                                                                           |
| HVDC Voltage:          | DC180 ~ 300V                                                                                         |
| Typ. Consumption       | 100W                                                                                                 |
| Max. Consumption       | 145W                                                                                                 |
| Protection             | Support Over-current Protection;<br>Support Over-voltage Protection;<br>Support 4KV Surge Protection |
| Mechanical             |                                                                                                      |
| Cooling mode:          | Fan cooling                                                                                          |
| Fan Structure:         | 2+2 redundant pluggable Fan modules                                                                  |
| Airflow:               | Front-to-Rear                                                                                        |
| Installation:          | 19"1U rack-mounted                                                                                   |
| Dimensions             | 442*451*44mm                                                                                         |
| Weight                 | 8.15KG                                                                                               |
| Environmental          |                                                                                                      |
| Operating temperature: | 0 to 45 °C                                                                                           |
| Operating humidity:    | -40 to 70 °C                                                                                         |
| Relative Humidity      | 0 to 95% (non-condensing)                                                                            |
| MTBF                   |                                                                                                      |
| Hours:                 | >70080                                                                                               |
| Years:                 | >8.0                                                                                                 |

**Ordering**
**M770-48X6Q-A**

6x 4G QSFP+ 48x 10G SFP+, AC100~240V

**M770-48X6Q-D**

6x 4G QSFP+ 48x 10G SFP+, DC40~72V

**M770-48X6Q-HD**

6x 4G QSFP+ 48x 10G SFP+, DC180 ~ 300V