



Features	Descriptions
General building facilities	<ul style="list-style-type: none"> <li>• Purpose-built nine storey building designed for data centre facilities</li> <li>• 4x main Passenger Lifts (each 1,000kg max loading capacity)</li> <li>• 1x Cargo Lift (3,000kg max loading capacity)</li> <li>• Building envelope and raised flooring are thermally insulated and moisture-resistant</li> </ul>
Construction	<ul style="list-style-type: none"> <li>• Elevated 109 metres ASML (Above Sea Mean Level)</li> <li>• Floor loading: 5-7KN/m<sup>2</sup></li> <li>• Floor to floor height: 4.7m</li> <li>• Raised floor height: 0.3-0.6m</li> </ul>
Cooling system	<ul style="list-style-type: none"> <li>• Water cooled chiller system: N+1</li> <li>• CRAC configuration: N+1</li> <li>• Cooling density of 500-1000W/sqm (with the ability to scale to higher specifications)</li> </ul>
Power system	<ul style="list-style-type: none"> <li>• Fully redundant power distribution systems with two diverse feeds</li> <li>• Equipped with fully redundant UPS in 2N configuration</li> <li>• Multiple generators to provide power with 18 hours backup fuel</li> <li>• 4x Bus-duct risers to all floors in (1+1) configuration</li> <li>• PDUs fitted with isolation transformers</li> <li>• Earthing system and lightning protection systems installed</li> </ul>
Advanced fire detection and suppression systems	<ul style="list-style-type: none"> <li>• Fully networked monitored and integrated fire system (VESDA) to detect, notify and perform controlled shutdown.</li> <li>• Facility protected by gaseous fire suppression and VESDA systems</li> <li>• Pre-action sprinkler and smoke detection</li> <li>• Fire-rated doors and partitions</li> <li>• Gaseous suppression system in data centre areas</li> <li>• 24x7 decentralised fire alarm monitoring system (DECAM) that links directly to an external fire monitoring agency</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Contact-less card access systems to prevent unauthorised access</li> <li>• Centralised rack-locking system available</li> <li>• 24x7 closed circuit TV (CCTV) monitoring system with recording on all floors</li> <li>• 24x7 physical security monitoring by qualified security guards on patrol</li> <li>• Public address and emergency voice broadcasting systems</li> </ul>
Environmental and climate control systems	<ul style="list-style-type: none"> <li>• 24x7 air-conditioning with redundant units (CRAC)</li> <li>• 24x7 temperature and humidity control</li> <li>• Environmental systems backed up by emergency generator power</li> </ul>
Network redundancy	<ul style="list-style-type: none"> <li>• 2x separate network rooms and main distribution frame (MDF) rooms</li> <li>• 2x separate communications risers</li> <li>• Houses Singtel's regional infrastructure servers, back-up servers, network equipment and Internet core switches to ensure optimum network performance.</li> </ul>