



Features	Descriptions
General building facilities	<ul style="list-style-type: none"> • Purpose-built nine storey building designed for data centre facilities • 4x main Passenger Lifts (each 1,000kg max loading capacity) • 1x Cargo Lift (3,000kg max loading capacity) • Building envelope and raised flooring are thermally insulated and moisture-resistant
Construction	<ul style="list-style-type: none"> • Elevated 109 metres ASML (Above Sea Mean Level) • Floor loading: 5-7KN/m² • Floor to floor height: 4.7m • Raised floor height: 0.3-0.6m
Cooling system	<ul style="list-style-type: none"> • Water cooled chiller system: N+1 • CRAC configuration: N+1 • Cooling density of 500-1000W/sqm (with the ability to scale to higher specifications)
Power system	<ul style="list-style-type: none"> • Fully redundant power distribution systems with two diverse feeds • Equipped with fully redundant UPS in 2N configuration • Multiple generators to provide power with 18 hours backup fuel • 4x Bus-duct risers to all floors in (1+1) configuration • PDUs fitted with isolation transformers • Earthing system and lightning protection systems installed
Advanced fire detection and suppression systems	<ul style="list-style-type: none"> • Fully networked monitored and integrated fire system (VESDA) to detect, notify and perform controlled shutdown. • Facility protected by gaseous fire suppression and VESDA systems • Pre-action sprinkler and smoke detection • Fire-rated doors and partitions • Gaseous suppression system in data centre areas • 24x7 decentralised fire alarm monitoring system (DECAM) that links directly to an external fire monitoring agency
Security	<ul style="list-style-type: none"> • Contact-less card access systems to prevent unauthorised access • Centralised rack-locking system available • 24x7 closed circuit TV (CCTV) monitoring system with recording on all floors • 24x7 physical security monitoring by qualified security guards on patrol • Public address and emergency voice broadcasting systems
Environmental and climate control systems	<ul style="list-style-type: none"> • 24x7 air-conditioning with redundant units (CRAC) • 24x7 temperature and humidity control • Environmental systems backed up by emergency generator power
Network redundancy	<ul style="list-style-type: none"> • 2x separate network rooms and main distribution frame (MDF) rooms • 2x separate communications risers • Houses Singtel's regional infrastructure servers, back-up servers, network equipment and Internet core switches to ensure optimum network performance.