

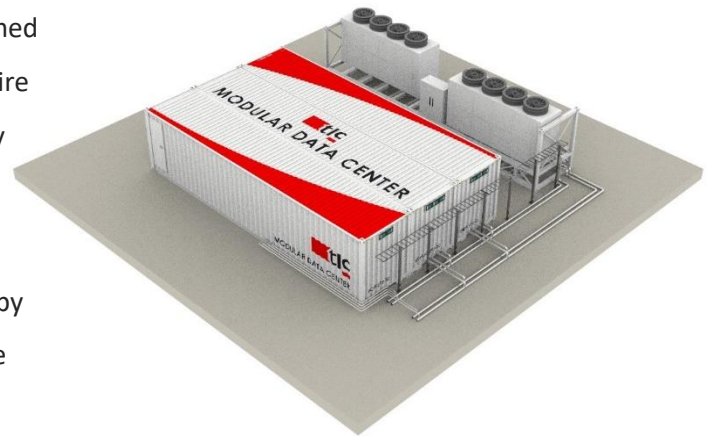
FDC-MI340 : Modular FlexData Center

FDC-MI340 Modular Flex Data Center

Quick integration, lower cost and superior energy performance : **Mobile Data Center Solutions**

Introduction

FDC-MI340 Modular Flex Data Center Solutions is the complete solution design and production performed by TLC that consists of air conditioning, lighting, fire protection systems, uninterruptible power supply and the cabinets.



They are modular solution that can be upgraded by joining them together each other and they can be moved to different locations if needed.

Application Scenarios

- IT load $\leq 200\text{kW}$
- Fast deployment and movable scenarios



Features & Value

- Prefabricated and pre-tested
- Modular structure realizes fast and on-demand deployment
- A prefabricated solution, deploy time shortened
- ISO shipping container dimensions and transportation cost reduced
- High energy efficiency, PUE down to 1.2
- IP55 external protection level
- Operable from -40°C to $+55^{\circ}\text{C}$
- Comply with UPTIME TIER and TIA942 topology

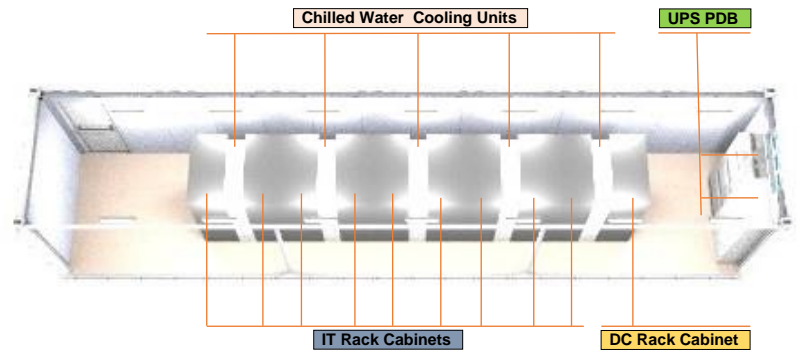
Modules

<p>FDC-MI340E / ENTRYPOD IT Module</p> 	<ul style="list-style-type: none"> • Dimension (H × W × D) - 2896 mm × 2438 mm × 12192 mm • Weight 16t • Power 3-phase-4-line+PE AC 380V • Cabinet quantity 10 racks • Operation temperature -40°C ~ +55°C
<p>FDC-MI340A / EXPANDERPOD IT Module</p> 	<ul style="list-style-type: none"> • Dimension (H × W × D) - 2896 mm × 2438 mm × 12192 mm • Weight 16t • Power 3-phase-4-line+PE AC 380V • Cabinet quantity 10 racks • Operation temperature -40°C ~ +55°C
<p>FDC-MI340P / POWERPOD Module</p> 	<ul style="list-style-type: none"> • Dimension (H × W × D) - 2896 mm × 2438 mm × 12192 mm • Weight 18t • Power 3-phase-4-line+PE AC 380V • Operation temperature -40°C ~ +55°C
<p>FDC-MI340C / COOLINGPOD Module</p> 	<ul style="list-style-type: none"> • Dimension (H × W × D) - 2896 mm × 2438 mm × 12192 mm • Weight 12t, Full of water: 15t • Power 3-phase-4-line+PE AC 380V • Operation temperature -40°C ~ +55°C • Chiller 2 sets of air-cooled scroll chiller (N+N backup)

Specifications

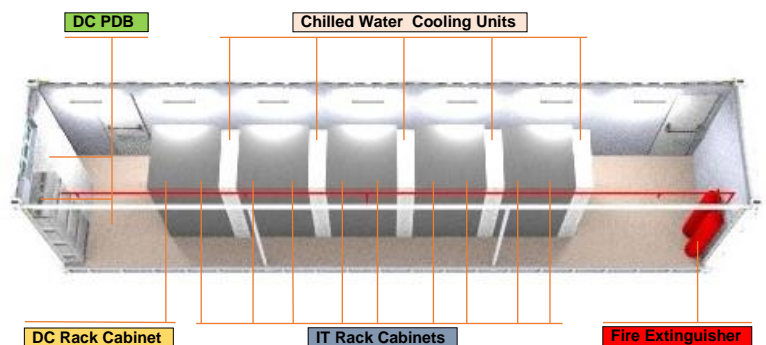
FDC-MI340E / ENTRYPOD IT Container

IT Rack Cabinets : 9 pieces
 DC Rack Cabinet : 1 piece
 PDU : 20 pieces
 InRow Cooling Units : 5 pieces
 Power Distribution Boards
 Raised Floor : 300mm
 Energy Cable Tray
 Data Cable Tray
 Fiber Cable Tray
 Insulation Panel



FDC-MI340A / EXPANDERPOD IT Container

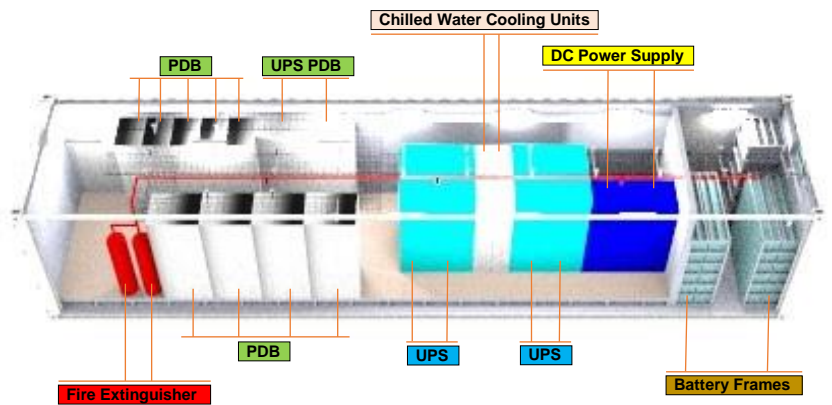
IT Rack Cabinets : 9 pieces
 DC Rack Cabinet : 1 piece
 PDU : 20 pieces
 InRow Cooling Units : 5 pieces
 Fire Extinguishing System
 Power Distribution Units
 Raised Floor : 300mm
 Energy Cable Tray
 Data Cable Tray
 Fiber Cable Tray
 Insulation Panel



Specifications

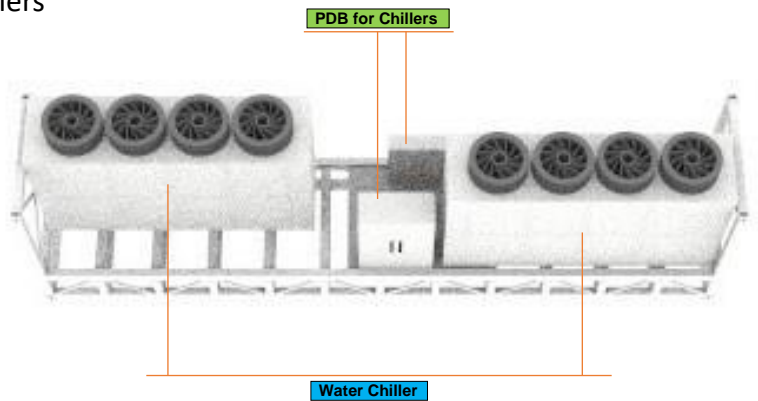
FDC-MI340P / POWERPOD Container

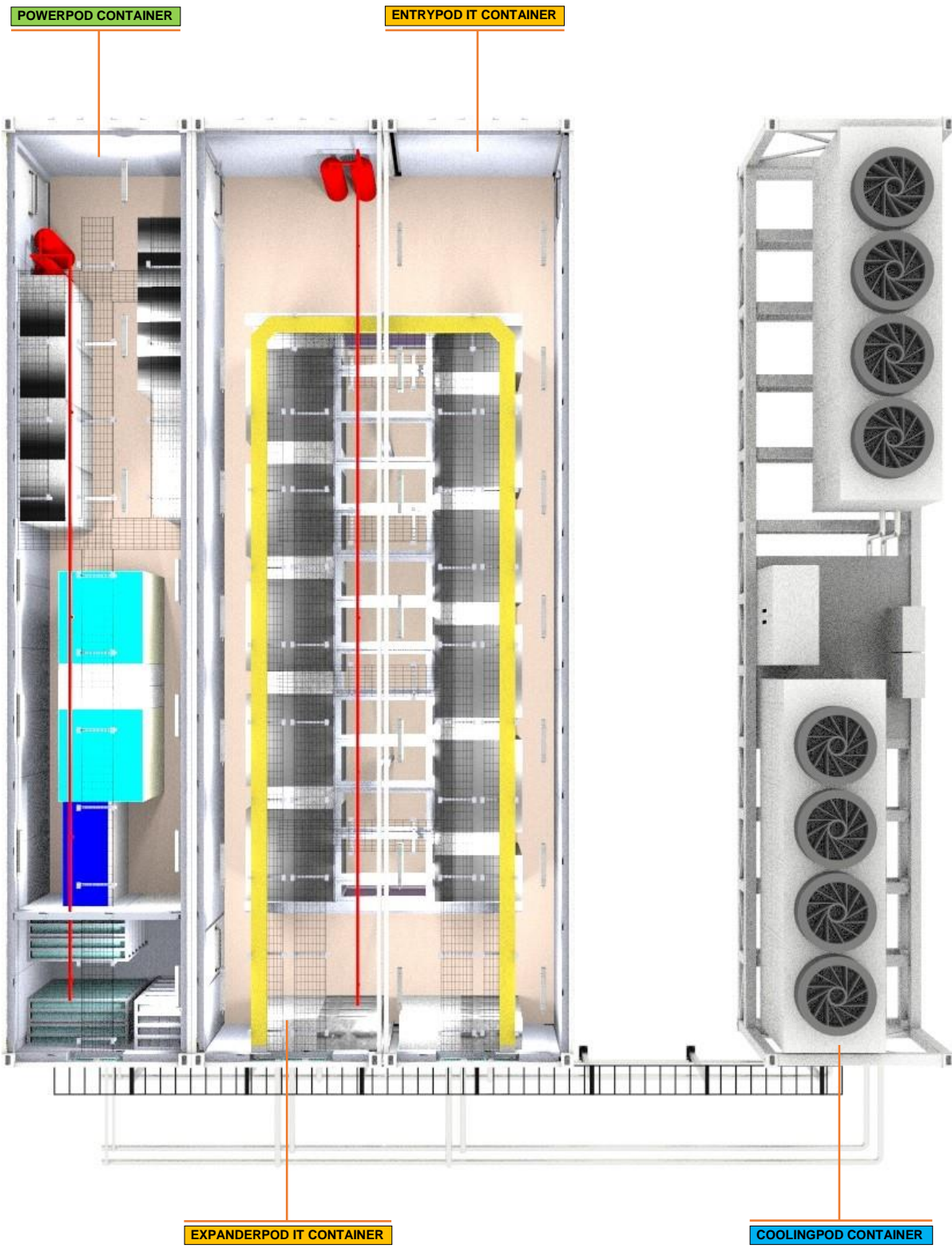
- UPS's (IT and Chiller Pumps)
- Battery Room
- Main Distribution Frame
- InRow Cooling Units : 2 pieces
- DC Power Suppliers
- Fire Extinguishing System
- Power Distribution Boards
- Raised Floor : 300mm
- Energy Cable Tray
- Insulation Panel



FDC-MI340C / COOLINGPOD Container

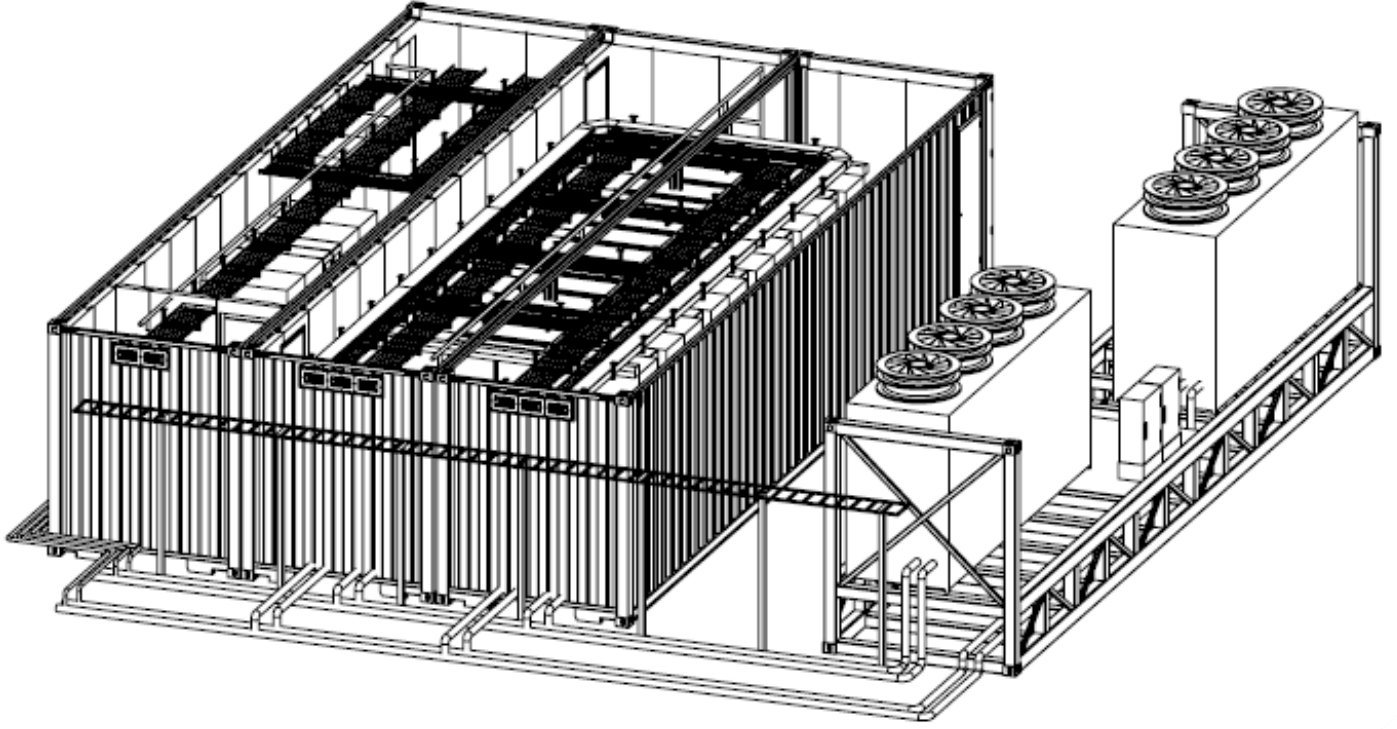
- Power Distribution System for Chillers
- Chillers





Technical Specifications

Specification	FDC-MI340 Modular Flex Data Center
Model	FDC-MI340 / 10kW
Outer Length	14.000 mm
Outer Width	12.250 mm
Outer Height	3.250 mm
Standard ISO Dimension	Yes
Insulation	B Class Fire protection, 142 kg/m3 Rockwool density
Cold Corridor Containment	Yes
Uninterruptible Power Supply	150+150kVA Power, 10 min backup time
Uninterruptible Power Supply Redundancy	Yes (N+N)
IT Equipment Electrical Load Limit	200 kW
Max Power per Enclosure	10 kW
Input Power	380 V 3-Phase, 50Hz
Voltage to Enclosure	220V
Cooling Technology	Chilled Water Cooling
Cooling Capacity	240 kW
Cooling Technology Redundancy	Yes (N+N)
Server Cabinet	19' 600x1000mm Industry Standard Cabinet
Max. Number Server Cabinet	20
Available RU Space per Rack	42 U
Total Rack Space	840 U
Smoke Dedection (Active / Passive)	Yes
Fire Suppression System	Yes
Humidity and Temperature Sensor	Yes
Humidifire	Yes
Monitoring System	Yes
Security	Biometric Access Control and IP Camera



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