

Installation requirements for CardMaster Desk System

1. Introduction

This document describes all installation requirements for the CardMaster Desk System. The installation requirements are listed per subject in a table. Each table describes the details per subject and if necessary who is responsible for this detail (IAI or Customer). All subjects with Customer responsibility must be fulfilled before the start of installation.

Floor and Environment Specifications for CardMaster Desk System		
Name/function	Specification / description	Responsible
Floor		
Maximum table vibrations	$\leq 1\text{ Hz} : 80 \mu\text{m}$ $1 - 2 \text{ Hz} : 40 \mu\text{m}$ $2 - 5 \text{ Hz} : 16 \mu\text{m}$ $\geq 5 \text{ Hz} : 8 \mu\text{m}$	Customer
Table load	System rests on 4 feet	-
Table requirements	Flat table top, table structure must be able to carry the weight of the system.	Customer
Environment		
Environment temperature	$18 \leq t \leq 30 \text{ }^{\circ}\text{C}$	Customer
Air humidity	45-60% and not condensing	Customer
Dew point	$< 15 \text{ }^{\circ}\text{C}$	Customer
Dust level	F5/EU5 in accordance with EN 779	Customer
Heat production	tbd	-
Air refreshment	The system needs to be placed in a ventilated space	Customer

Table 1 Floor and environment specifications for CardMaster Desk System

Electrical Requirements for CardMaster Desk System		
Name/function	Specification / description	Responsible
Electrical services	230 VAC, 1~+N+PE, 50Hz	Customer
Main power supply stability (t>20ms)	+5%, -5% each phase	Customer
Ground resistance	$\leq 2 \text{ Ohm}$	Customer
Power maximal	max 0.5 kVA	-
Fuses	16A	Customer
Power during production	0.4 kVA	-
Current during production	1.8 A	-
Inrush current	To be measured, max 80A	-
Cos ϕ	To be measured, approx. 0.8	-

Table 2 Electrical requirements for CardMaster Desk System

Computer Network Specifications for CardMaster Desk System		
Name/function	Specification / description	Responsible
Physical connection	UTP	Customer

Table 3 Computer network specifications for CardMaster Desk System

Dimensions CardMaster Desk System	
Name/function	Specification / description
Floor space	Approx. 835 x 555 mm (to be placed on desk top)
Distance between feet	750 x 400 mm
CM Desk System machine height	Approx. 675 mm (1060 mm with open cover)
Working height from table (level of Card-transport)	Approx. 280mm
Room around the CM Desk System	Approachable from front and back-side (aprox 1m required)
Weight	Approx. 85 kg.
Weight Flightcase	Approx. 50 kg.

Table 4 Dimensions CardMaster Desk System



Figure 1: outer dimensions of CardMaster Desk System

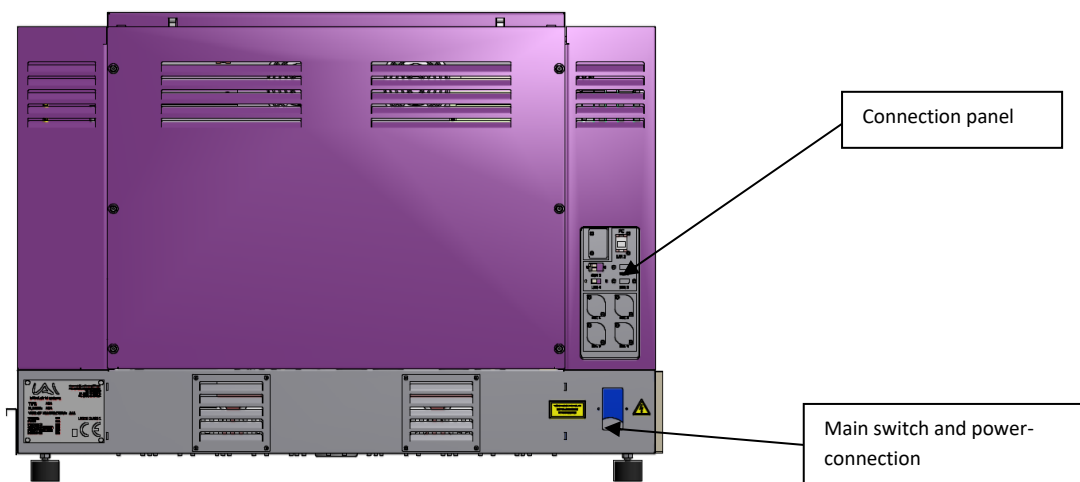


Figure 2: position of connections on backside of CardMaster Desk System