

Tacho Hotel

specification

General

Available options

30, 60 and 105 reader slots
1 server for 30 & 60 reader units,
2 servers for 105 readers

Available options

All options fits in 19" server rack.
12RU (rack units, ~54cm) per unit in rack.

30 slot version: 250x433x250 (LxWxH)
60 slot version: 370x433x250 (LxWxH)
105 slot version: 600x433x250 (LxWxH)

Power Supply

For servers: 5V 2A
For data distribution units: 5V 3.5A

Environmental

Operating Temperature 32-131 F (0-55°C)
Operating Humidity 10-90% rH

Server

A10 Cortex-A8 processor typically
running at 1GHz and Mali 400 GPU

512MB DDR3 RAM memory

SATA connector with 5V SATA
power jack

2 x USB High-speed host with
power control and current limiter

USB-OTG with power control
and current limiter

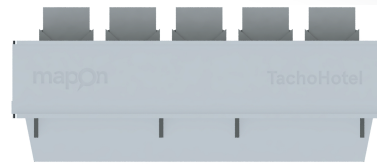
100MBit native Ethernet

LiPo Battery connector with
battery-charging capabilities,

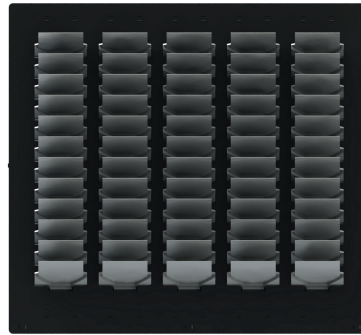
Power LED

5V input power supply,
noise immune design

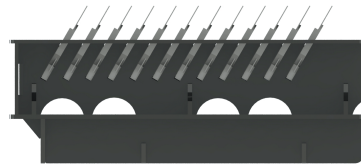
FRONT



TOP



SIDE



Reader

SMART CARD INTERFACE

Card Size ID-1 (Full size)

Standards: ISO 7816

Supported Card Types

Class A: 5V @ 60 mA;
Class B: 3 V @ 60 mA;
Class C: 1.8V @35 mA

Protocols

Asynchronous: T=0; T=1
Synchronous: S=8 (I²C);
S=9 (3-wire); S=10 (2-wire)

HUMAN INTERFACE

Status indicator Blue LED

ATR response time up to 1.6 s

Insertion Cycles 100,000

Smart Card Interface Speed 420 kbps

Smart Card Clock Frequency up to 12 MHz

Smart Card detection Movement detection
with auto power-off; Automatic detection
of smart card type;

Short circuit and thermal protection

Regional certifications:

CE, FCC, UL, VCCI, KCC, MIC, RCM (C-Tick)

Environmental WEEE, RoHS, Reach