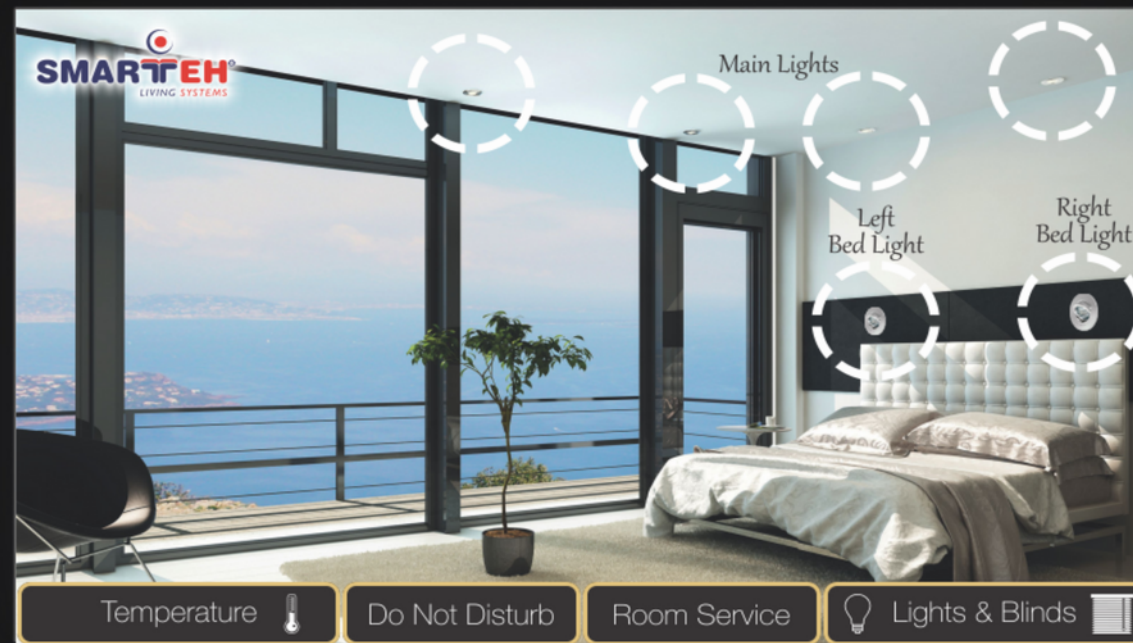


LPC-3.GOT.012

7" LCD PLC based HMI Touch Panel



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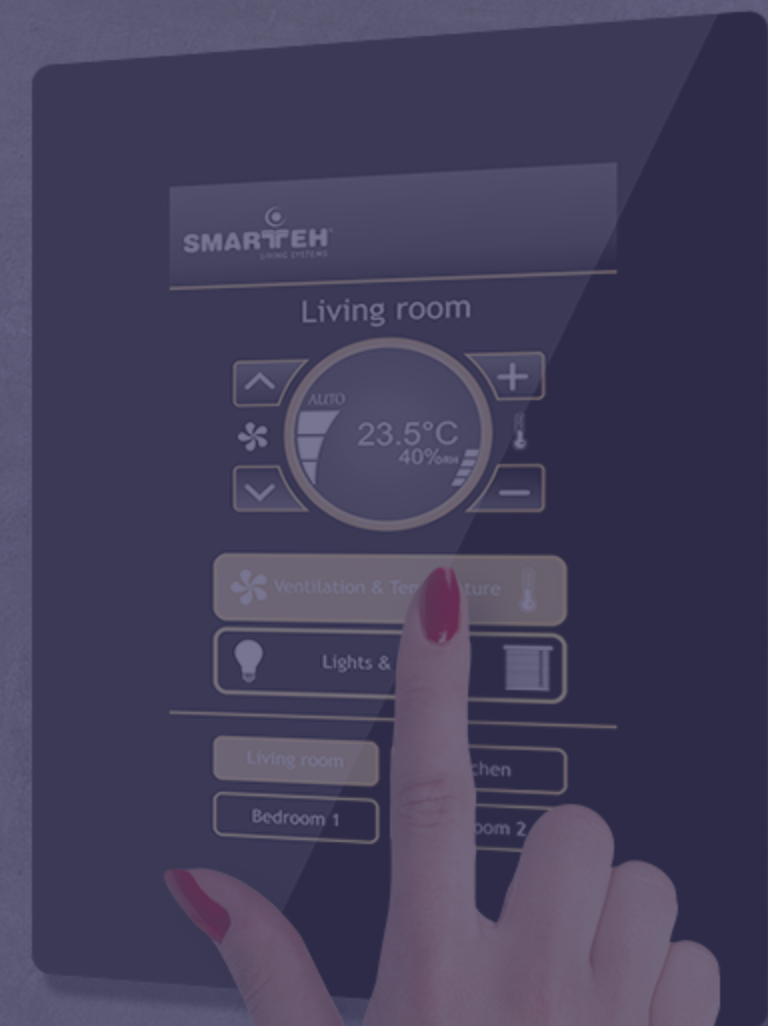


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INTRODUCTION

SmarteH's new Programmable Logic Controller (PLC) based 7" capacitive Graphical Operation Terminal is an innovative combination of classic PLC and Human Machine Interface (HMI).

New HMI offers high performance in any industrial or building automation environment and provides a clear, customizable, and flexible interface between the user and the machine or automation system.



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FEATURES

➤ All-in-one PLC + HMI

PLC based HMI Touch Panel with powerful i.MX6 Single (ARM® Cortex™ - A9) @ 1GHz CPU.

➤ Remote access by mobile or desktop devices

Remote HMI feature of Touch Panel on any device using Web browser as VNC server alternative.

➤ Extended communication possibilities

Ethernet connectivity with Modbus TCP/IP Slave (server) and/or Master (client) functionality, BACnet IP (B-ASC), web client with SSL support, Modbus RTU Master or Slave.

➤ Powerful programming IDE tool

Advanced Smarteh IDE PLC & GUI free remote programming and debugging tool. PLC programming by standard IEC61131-3 (FBD, LD, SFC, ST, IL) and Python.

➤ Ready for IoT cloud server connection

In addition user-programmable code possibilities in Python programming language as RESTful API, SQL, time server, Webpage data exchange, sending E-mails, FTP, ...



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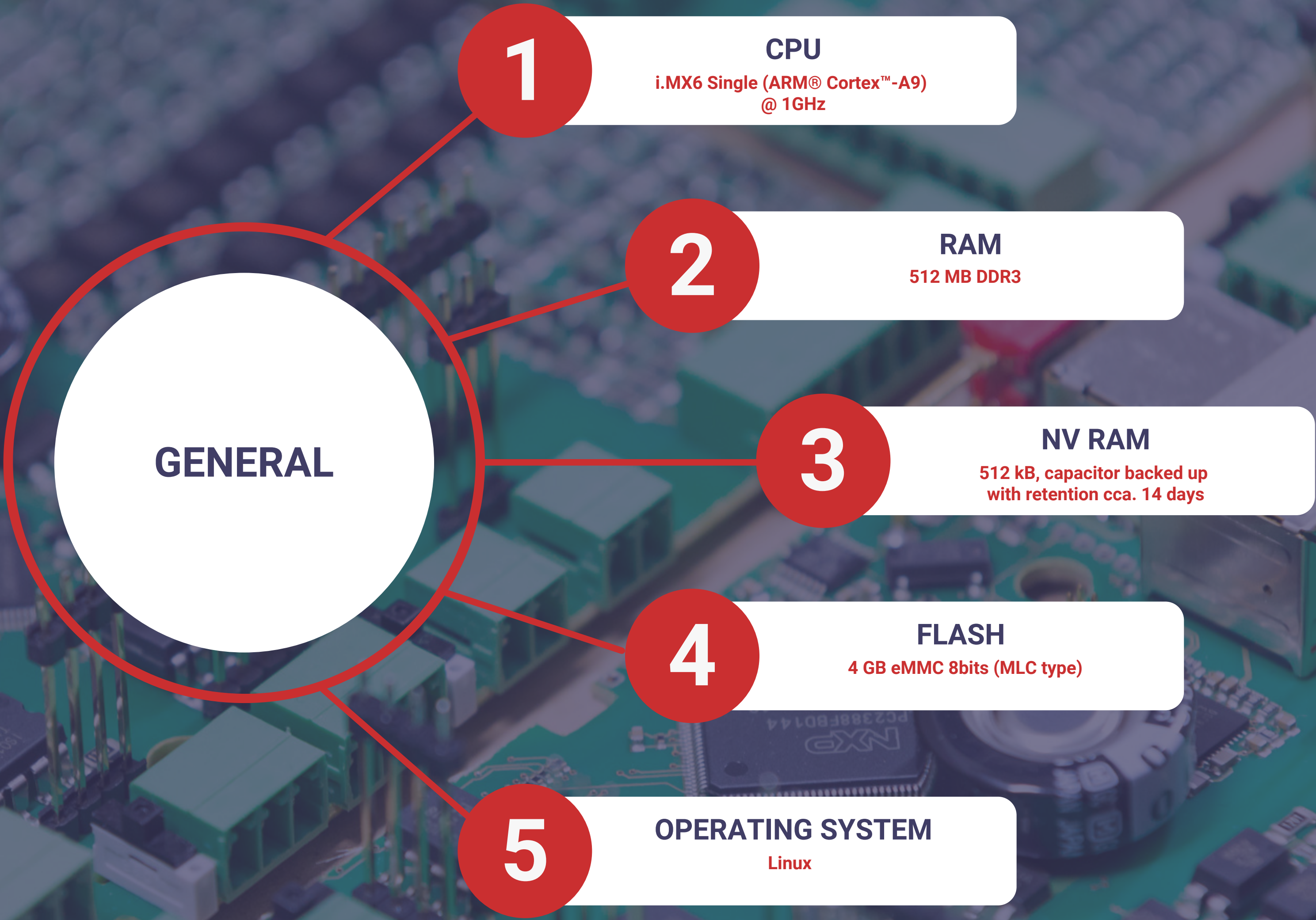
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GENERAL

1

CPU

i.MX6 Single (ARM® Cortex™-A9)
@ 1GHz

2

RAM

512 MB DDR3

3

NV RAM

512 kB, capacitor backed up
with retention cca. 14 days

4

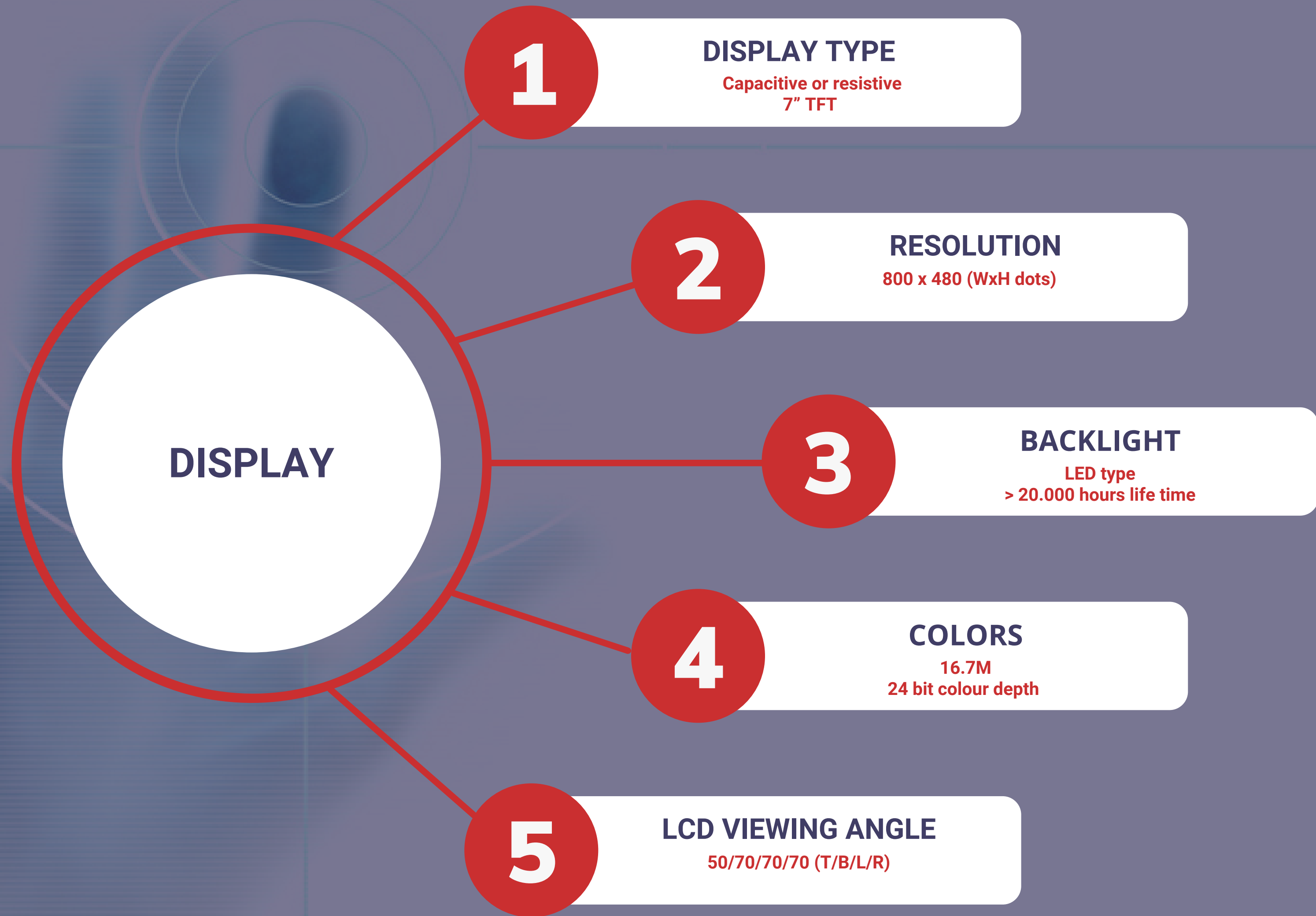
FLASH

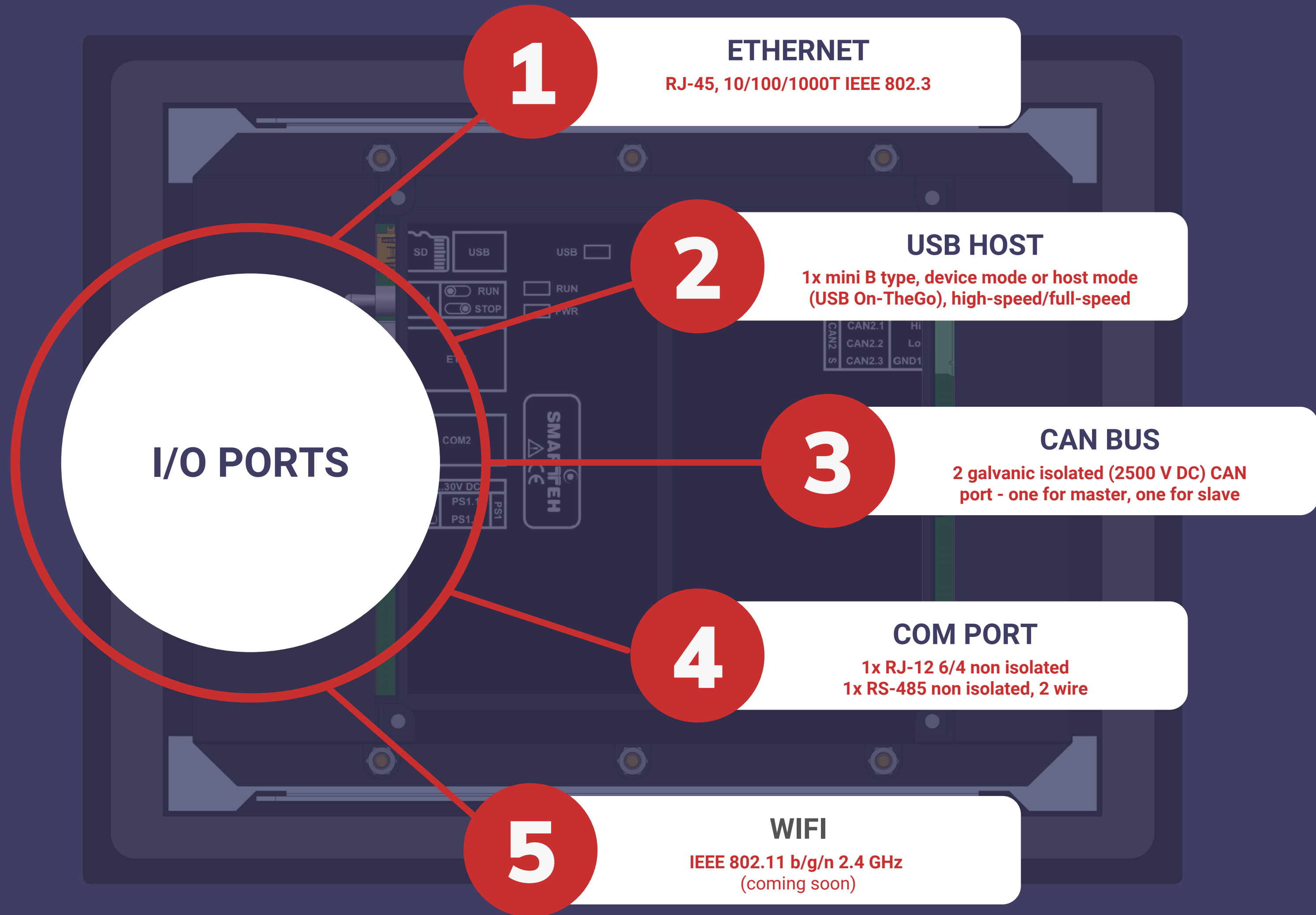
4 GB eMMC 8bits (MLC type)

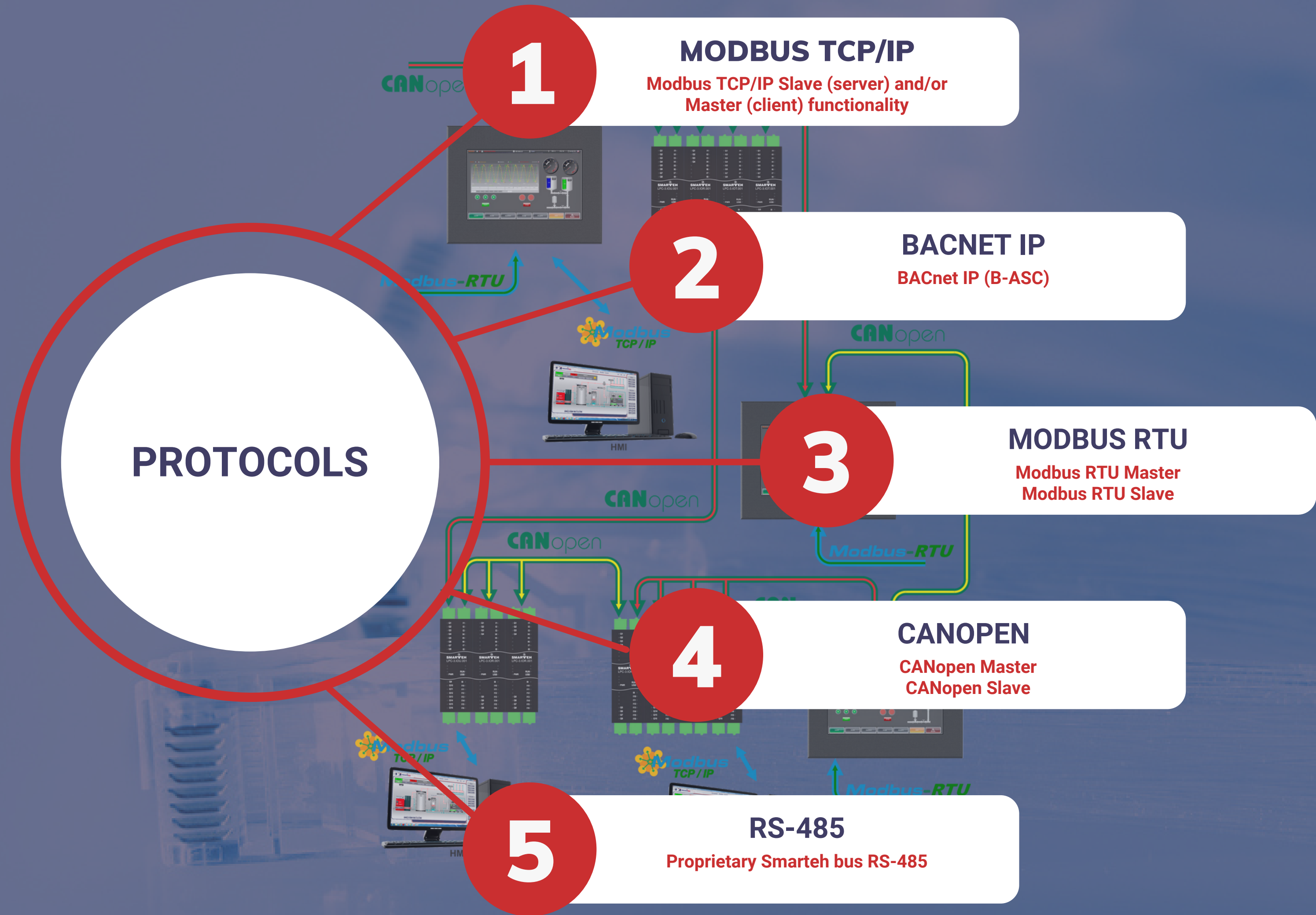
5

OPERATING SYSTEM

Linux







SPECIFICATION

1

MOUNTING

Panel mount & Flush mount version
Landscape or portrait orientation

2

DIMENSIONS

170 x 220 x 47 mm (L x W x H)
Display dimensions 85.5 x 154 mm (L x W)

3

WEIGHT

650 g

4

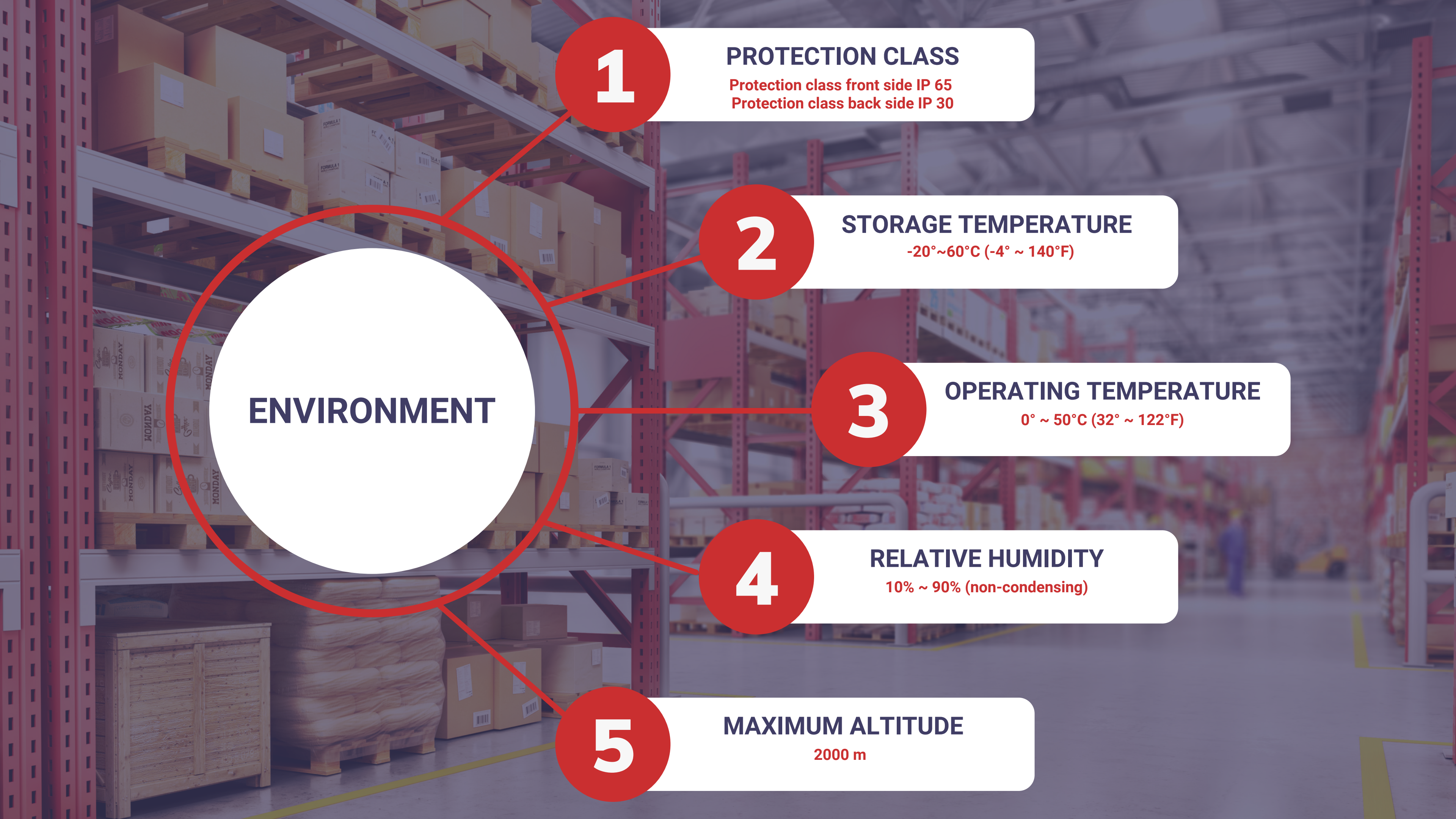
ENCLOSURE

Frame-less glass screen
with plastic back enclosure

5

POLLUTION DEGREE

Pollution degree 2



ENVIRONMENT

1

PROTECTION CLASS

Protection class front side IP 65
Protection class back side IP 30

2

STORAGE TEMPERATURE

-20°~60°C (-4° ~ 140°F)

3

OPERATING TEMPERATURE

0° ~ 50°C (32° ~ 122°F)

4

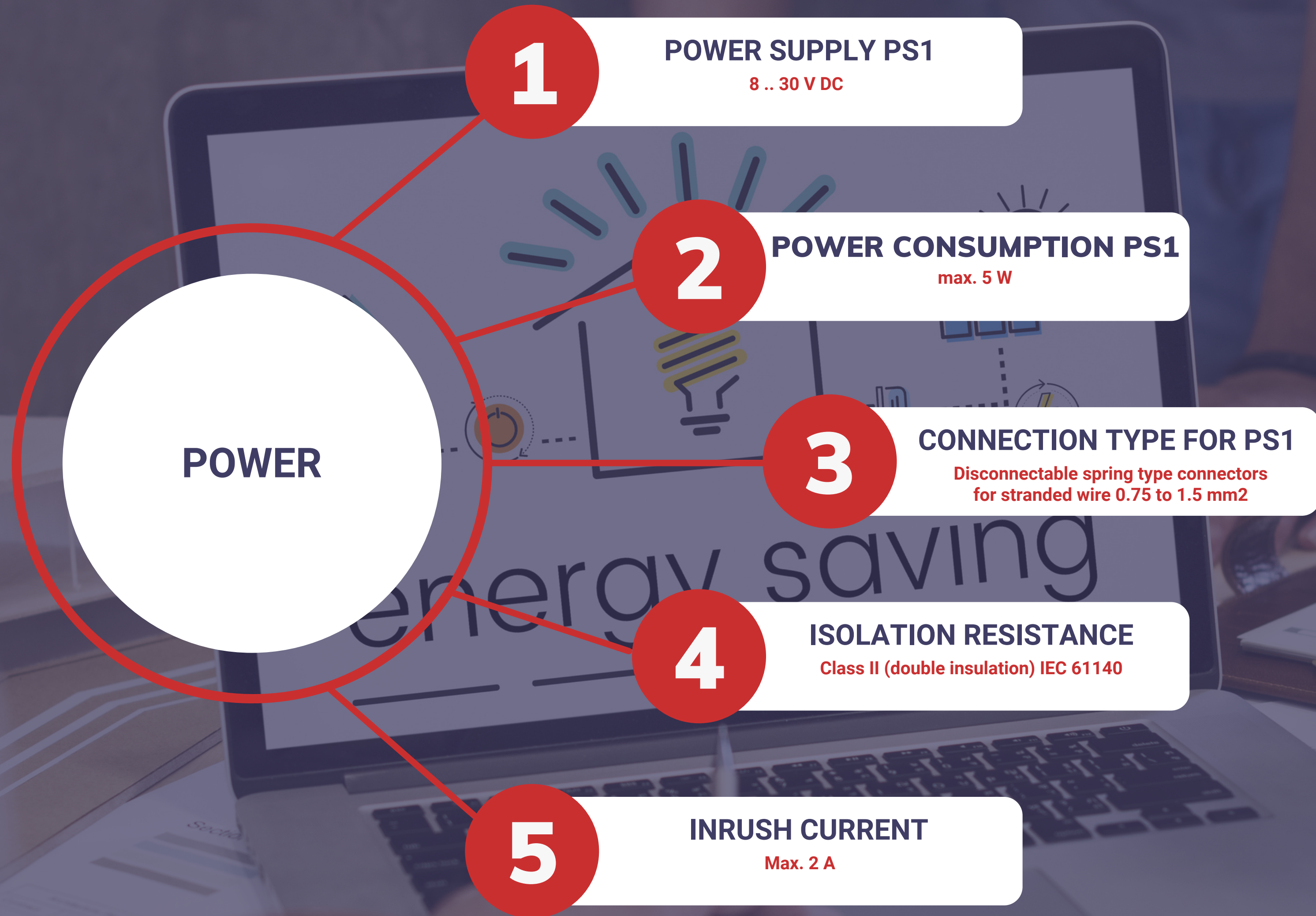
RELATIVE HUMIDITY

10% ~ 90% (non-condensing)

5

MAXIMUM ALTITUDE

2000 m





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