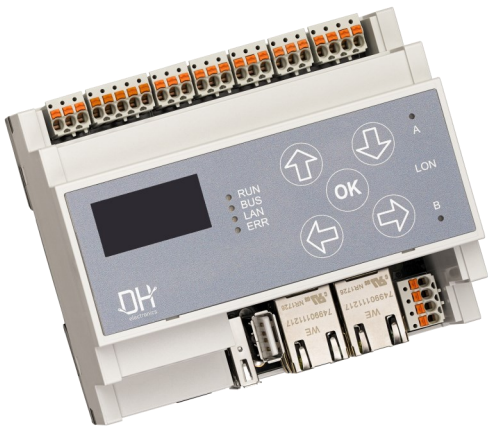


DHCON DRC02

From field level up to the cloud



TECHNICAL DETAILS

Processor module

SODIMM-200 socket	Standard with DHCOM i.MX6UL(L) or DHCOM i.MX6 Solo or Dual
BSPs	Linux, Android, Windows CE

Interfaces

Ethernet	2x 10 / 100 Mbps
USB	2x Host 2.0
Serial	1x RS232 (Rx / Tx / Rts / Cts) isolated 1x RS485 isolated
SD-Card	4-bit micro SD-card
CAN	1x CAN (up to 1 Mbaud) on IN-RAIL-BUS 1x CAN (up to 1 Mbaud) isolated
LON (additional, on request)	2x FT channel via internal expansion slot + LEDs for LON

HMI

Display	OLED 1.3 inch (33.02 mm) 128 x 64 pixels Monochrome (white) 80 cd/m ² , 30.000 h MTBF
Buttons	5 capacitive touch buttons
LEDs	4x Status LEDs

Digital IO

Inputs	2x Opto Coupler isolated
Outputs	2x Open collector

Physical

Power supply	24 VDC (±15 %)
Battery for RTC	CR2032 (optional)
Cooling	Fanless
Temperature range	Operating: 0 up to +50 °C
Dimensions	170.8 width x 89.8 depth x 53 height (mm)
IP protection category	IP30
Certification	EN 61131, EN 61000-6-2, EN 61000-6-3

EXTENSION MODULES

Following extensions are available or under development:

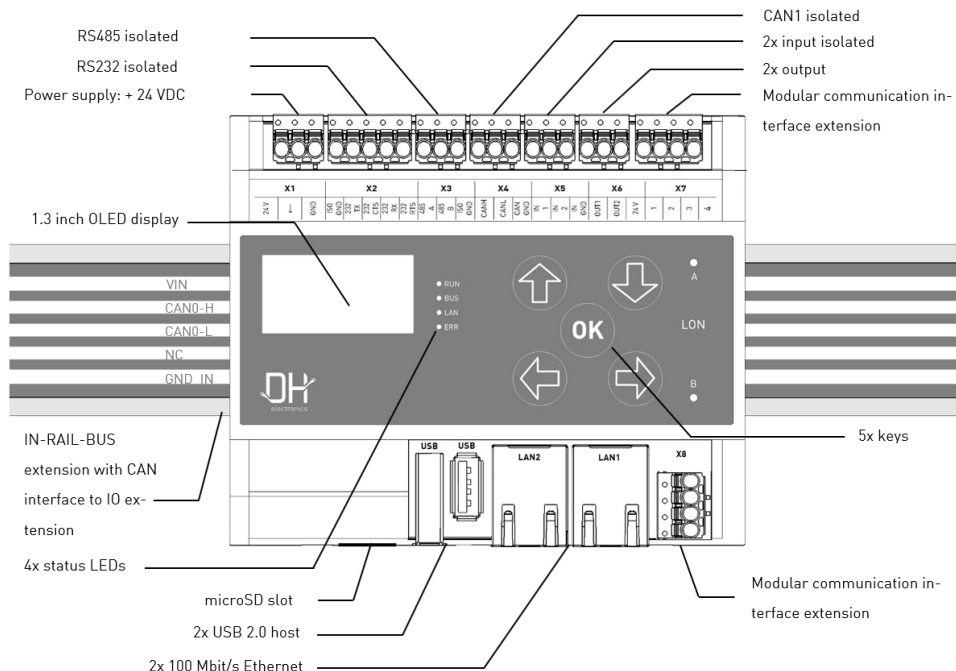
2G 3G 4G NB-IoT
WiFi 802.11 a/b/g/n
Bluetooth BR/DER/BLE
LoRa, Sigfox
MBUS
LON



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SCHEMATIC DIAGRAM



ORDERING INFORMATION

DHCON-TYPE-HO-PANEL[-CPU][-Rxxx][-Fxxx][-RAIL][-E[x]x][-CAN][-IO][-RS232][-RS485][-LON][-W][BT][-LTE][-OLED][-T]-X-01

TYPE	DRC0x, EMW: extension module WiFi, EMLTE: extension module LTE, EMWBT: extension module WiFi + BT, EMM: extension module MBUS, EML: extension module LON, EM2L: extension module 2 xLON
HO	SA: stand alone, OF: open frame
PANEL	S: standard printing on panel, N: no printing on panel
X	C: commercial temperature range [0 °C to 50 °C], E: extended commercial temperature range [-20 °C to 70 °C]
01	Revision 01

OPTIONS

[-CPU]	i.MX6S, i.MX6DL, i.MX6UL(L) and other DHCOMs
[-Rxxx]	RAM memory size in 10 MB steps: i.e. R006 = 64 MB, R012 = 128 MB
[-Fxxx]	Flash memory size in 10 MB steps: i.e. F0006 = 64 MB, F0012 = 128 MB
[-RAIL]	CAN: In Rail Bus CAN, RS485: In Rail Bus RS485
[-E[x]x]	Ethernet [2]U: 2nd Ethernet port with USB, Ethernet [2]C: 2nd Ethernet port with DHCOM
Interfaces	[-CAN]: CAN port, [-IO]: 2 inputs, 2 outputs, [-RS232]: RS232 interface, [-RS485]: RS485 interface, [-LON]: LON interface, [-MBUS]: MBUS interface, [-W][BT]: WiFi and/or Bluetooth interface, [-LTE]: LTE interface
[-OLED]	1.3 inch OLED display
[-T]	P: PCAP touch

EXAMPLES

DHCON-DRC02-SA-S-IMX6S-R102-F0409-E2U-CAN-IO-RS232-RS485-LON-OLED-P-C-01

DHCON-DRC02-SA-S-IMX6ULL-R051-F0409-E2C- CAN-IO-RS232-RS485-C-01

With WiFi and LTE extension: DHCON-EMWLTE-SA-S-IMX6ULL-R051-F0409-E2C- CAN-IO-RS232-RS485-C-01