

TREON GATEWAY INFORMATION BULLETIN – COMPONENTS

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To whom it may concern

We undersigned declare that Treon Gateway (HW ID 1111), is designed with the following specification at the time of signing.

DESCRIPTION	MFR PART NUMBER
Memory	
Flash Card 16G-byte 3.3V, MultiMedia Card 153-Pin WFBGA	SDINBDG4-16G
DDR3L SDRAM 8Gb / Replacement: Alliance Memory AS4C512M16D3L-12BCN	MT41K512M16HA-125
Processor	
SubArctic Cortex A8 15x15	AM3352BZCZ100
Connectivity	
Ethernet ICs 10/100 Ethernet XCVR w/HPAutoMDIX FlexPwr BT / NINA-B1 MOD BLE 4.2 NORDIC NRF52832 SOC , NINA-B111 (open CPU) variant with antenna pin	LAN8710A-EZK-TR NINA-B111-02B
Cellular / SARA-R4 Series Module, 3.2 to 4.5 V, -40 to 85 degC, 96-Pin LGA, RoHS, Tape and Reel	SARA-R412M-02B
WLAN / TI WL1831MOD WLAN MODULE	WL1831MOD
Security	
Secure MCU 16bit OPTIGA™ TPM CISC 7KB 1.8V/3.3V 32-Pin VQFN EP	SLB9670VQ20FW785XUMA1
Connectors	
Ethernet	Würth 7498011122AR
USB	Würth 614104190121
Internal: JTAG	
Internal: UART	

Treon Oy, Tampere,

18th of February 2020



Joni Korppi, CEO