

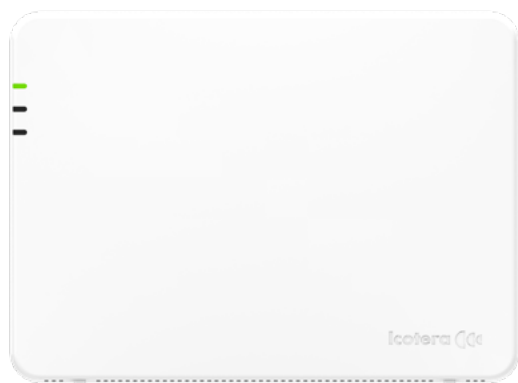
Wi-Fi 6 ETHERNET ROUTER

i4880-series

Residential Wi-Fi 6 Router

The i4880 ethernet gateway takes performance to the next level with 2.5 Gbps IPv4 and IPv6 routing engine and premium Wi-Fi 6 with a configuration of 8x8 + 4x4. Special attention has been put into creating a beautiful, minimalistic yet fully flexible design, which fully matches the modern home. Full backward compatibility for both WAN/LAN, VoIP and Wi-Fi makes the i4880 the obvious choice for a high-end residential router for all serious service providers.

- Premium Wi-Fi 6 configuration
- Non-blocking 2.5 Gbps architecture
- Modern Scandinavian design
- Fully managed



Model: i4883

Flexible installation

The i4880 is designed for all types of installations, both wallmount and free standing. In any installation the i4880 allows for practical cable management, easy access to user-configurable buttons and intuitive LEDs for easy troubleshooting.

Easy cable management

With all interfaces hidden practically on the back of the i4880, all cables can be managed in an easy way regardless of the installation method. Ports are coloured for intuitive installation for first-time users.

i4880 Residential Wi-Fi 6 Router

FEATURES

- Enterprise 8x8+4x4 Wi-Fi 6 configuration
- Vendor-independent
- Non-blocking 2.5 Gbps architecture
- Wi-Fi Data Link speed above 8Gbps
- Low power consumption
- Optional operator branding
- Customized firmware

NETWORK COMMUNICATION WAN INTERFACE

- 1 x RJ45 10/100/1000/2500 BaseT(x)
- Full-duplex transmission
- Auto-negotiation for speed and duplex

LAN INTERFACE

- 2 x RJ45 10/100/1000 BaseT(x) + 1 x RJ45 10/100/1000/2500 BaseT(x)
- Auto-negotiation for speed and duplex
- Jumbo packets
- Integrated cable tester, detects:
 - Short
 - Open
 - Impedance mismatch
 - Cable length

LAYER 2

- 16 bridge instances
- 64 byte forwarding at line rate
- Jumbo 9k packets
- IGMP v1/v2 snooping
- 802.1p marking
- VLAN support
- 802.1x
- Wi-Fi support
- Transparent IPv6 forwarding
- DHCP relay with option 82
- 2k address entries
- Rate-limit per switch port
- Flexible L1 and L3 Access Control List

Wi-Fi INTERFACES

- Advanced WMM designed for longrange and resilient video and voice delivery
- Authentication methods - Open - WPA2 - WPA3
- Up to 8 SSIDs
- MAC filtering
- Beamforming
- 802.11v band steering and client roaming
- Neighbour scanning
- Advanced channel selection
- Software Tx power control
- Wireless Client Isolation
- Meshing - built-in controller for i3560 Access Points

802.11ax Wi-Fi

- 802.11AX 8x8:8 5GHz + 4x4:4 2.4GHz
- BW support: 20MHz, 40MHz, 80MHz
- Modulation support: MCS 0-11
- Downlink MU-MIMO and OFDMA
- Up to 1024QAM modulation
- Support for unequal MCS
- Support for LDPC, STBC
- Support Target Wake Time

802.11ac Wi-Fi

- 802.11AC Wave-2 8x8:8
- BW support: 20MHz, 40MHz, 80MHz, 160MHz
- MU-MIMO
- Support for LDPC, STBC
- Modulation support: MCS 0-11
- Up to 1024QAM modulation

802.11bgn Wi-Fi

- 802.11B/G/N 4x4:4
- MIMO
- Modulation support: MCS 0-76

LAYER 3

- Virtual interfaces
- Multiple WAN interfaces in one router
- 64 byte forwarding at line rate with routing/NAT
- IGMP v1/v2 proxy with fast-leave and monitoring
- Stateful IPv4 and IPv6 Firewall
- Supports routing for IPv4 and IPv6
- IPv4 - SNAT, DNAT, DMZ - DNS proxy - DHCP client and server
- IPv6 - Prefix delegation
- PPPoE (termination)
- 32k HW connection tracking
- RTSP stateful proxy
- Protocol helpers for: SIP, RTSP, FTP, TFTP, PPTP, L2TP and IPSec
- Guest Access

USB

- 1 x USB 2.0 host port

VoIP - Optional

- 2 separate POTS lines SIP (RFC3261)
- 5 REN support
- DTMF signalling - SIP INFO - Inband - Auto - RFC 2833
- Caller ID support (DTMF/FSK)
- CLIR
- Advanced dialplan
- B-Number manipulation
- Class 5 services - Forward all calls
 - Forward on busy
 - Forward on no answer
 - Call waiting
- Codecs: G.711A a-law - G.711U μ -law - G.722 - G.729
- Codec negotiation
- Modem/Fax detection
- G.165 Echo Cancellation

MANAGEMENT & MONITORING

- Shared or separate IP interface for management
- Monitoring via Telemetry Streaming (ICONS)
- L1 and L3 filters for all local services
- SSHv2 with key authentication
- Optional Telnet with authentication
- End-user oriented Web interface (configurable) - PPPoE WAN - Wi-Fi - Guest network - LAN network - Port forwarding, NAT loopback, DMZ, DynDNS, Status and monitoring
- Zero-touch provisioning with DHCP and TR-069
- TR-069 with TLS, supporting - TR-104 (VoIP) - TR-181 (Network)
- SNMP v1/v2
- Firmware upgrade from USB drive
- Extensive debug possibilities
- Packet dumping
- All settings stored locally in flash
- Dual bank firmware w/ fail-safe upgrading
- LED brightness configurable by the operator and/or end user
- Hardware watchdog
- Wake-on-LAN for Web UI and CLI

OPERATIONAL SPECIFICATIONS

- DC 12V input
- Power consumption maximum: 31.7W
- Power consumption in idle state: 7.5W
- Operating temperature: 5°C - 45°C
- Storage temperature: -20°C - 85°C
- Humidity: 5% - 95% (non-condensing)

PHYSICAL SPECIFICATIONS CASING

- Size: 220x160x60 mm (W x H x D)
- Weight: 858 g variant without VoIP, 883 g with VoIP
- Front LEDs configurable by operator and/or end user: Power/WAN status (link/provisioning) - VoIP ports - Wi-Fi
- LAN status LEDs (link-speed/traffic, duplex) per interface
- WPS button

INCLUDED IN THE BOX

- CPE
- 12V PSU adapter

i4880 Configuration Possibilities

Gateway Interface Configurations:

Model	Uplink	LAN	USB	POTS	Wi-Fi	Antennas
i4882	100/1000/2500 BaseT(x)	2 x 10/100/1000 BaseT(x) + 100/1000/2500 BaseT(x)	1 x USB 2.0	N/A	Wi-Fi 6	8x8 + 4x4
i4883	100/1000/2500 BaseT(x)	2 x 10/100/1000 BaseT(x) + 100/1000/2500 BaseT(x)	1 x USB 2.0	2x	Wi-Fi 6	8x8 + 4x4

NOTE: Please contact Sales for further details on information listed and feature requests.