

# in:xtnd™

Access MA 2.5 **2 Ethernet**

In:xtnd Access 2 Ethernet is a cost-efficient Coax to Ethernet Media Converter – 2x1 Gbps.

In:xtnd Access 2 Ethernet communicates with In:xtnd Control 4 channel. Products using MoCA Access™ 2.5 standard.



## KEY FEATURES

- Front-end to Media Gateway, IPTV box or Wireless Router
- Connects to any antenna outlet in a home
- No software installation on the end-users computer
- Remotely configurable
- Remotely selectable RF-channels
- Easy self-installation by subscriber
- MoCA Access 2.5 Profile D compliant

### SPECIFICATIONS

#### Physical Ports

- **1x MoCA Access port:**
  - MoCA Access 2.5 Profile D compliant
  - 15 dBm+/-3dBm Max Output Power; automatically adjusted per modem
  - PHY Rate: up to 700 Mbps per RF-channel
  - MAC Rate; up to 500Mbps per RF-channel
  - RF-channel bandwidth: 100 MHz
  - Bonded operation with 3, 4 or 5 RF-channels supporting
  - Spectrum spreading: OFDM
  - Modulation: QAM 1024 /512 /256 /128/64/32/16/8/BPSK/QPSK
  - Multiplexing methods: TDMA/TDD
  - MAC Rate 1.5/2.0/2.5 Gbps
  - Attenuation (up to 700Mbps PHY Rate): 100% link quality at 45 or 55 dB link attenuation
  - Power Save Modes & Low power design
  - F-female Connector – 3/8-UNEF32, 75Ω
  - 2x Ethernet ports 100/1000 Mbps, IEEE 802.3 compliant
  - 2x RJ-45 connector, support CAT5e, CAT6, CAT7 UTP
  - 1x CATV-port 5–694 MHz

#### Power

- Different power adapters are available. USB-C plug.

#### Environmental

- Operating Temperature: 0°C to +50°C
- Humidity: 20%–80%
- RoHS, RoHS2, UL94-V0

#### Dimensions

TDB

#### Weight

TDB

#### Approvals

- IEC 60950-1:2005, IEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013
- EN55032:2012, EN55024:2010, EN 61000-6-4:2007+A1:2011 & EN 61000-6-2:2005

#### Capacity

- 1 Gb/s throughput per Ethernet interface

#### Standards

- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3ac
- IEEE 802.3z
- IEEE 802.1p
- IEEE 802.1q

### SPECIFICATIONS

<b>VLAN</b>	<ul style="list-style-type: none"> <li>• VLAN-ID range 1-4094</li> <li>• Max number of VLAN: 4</li> </ul>
<b>Multicast via Control 4 ch</b>	<ul style="list-style-type: none"> <li>• IGMP snooping (IGMP V1, V2)</li> <li>• IGMP filtering per VLAN</li> <li>• MVR</li> </ul>
<b>QoS via Control 4 ch</b>	<ul style="list-style-type: none"> <li>• Traffic classification</li> <li>• 802.1p</li> <li>• TOS</li> <li>• 802.1p remarking</li> <li>• Congestion management</li> <li>• Strict priority</li> <li>• Rate limitation</li> <li>• Configurable per Access Modem and Queue</li> </ul>
<b>Security via Control 4 ch</b>	<ul style="list-style-type: none"> <li>• IP source guard</li> <li>• DHCP snooping</li> <li>• Option 82 rewrite support</li> </ul>
<b>Management via Control 4 ch</b>	<ul style="list-style-type: none"> <li>• Configuration</li> <li>• Statistics</li> </ul>

### **About the Multimedia over Coax Alliance®**

The Multimedia over Coax Alliance (MoCA®) is an industry standard alliance developing technology for the connected home. MoCA technology runs over the existing coaxial cabling, and is the in-home backbone for Wi-Fi®. Products integrating MoCA technology are found in the service provider, custom installer and consumer/retail channels.

The Alliance has more than 200 certified products and 50 members, including service providers, OEMs, CE manufacturers and IC vendors.

### **About MoCA Access™**

MoCA Access is point-to-multipoint. It is designed to co-exist with legacy services such as TV, DOCSIS, and cellular (4G/5G) technologies. As a fiber extension technology, MoCA Access is well suited for operators and ISPs that are installing fiber-to-the-basement (FTTB) or fiber deep into the network, and want to use the existing coax for connection to each apartment or unit. MoCA Access also appeals to commercial integrators in market segments such as hospitality/hotels, restaurants, offices, and any other buildings wired with coax.



**in:xtnd™**

#### **Contact**

E-Mail: [info@incoax.com](mailto:info@incoax.com)  
Address: InCoax Networks AB  
Utmarksvägen 4, S-802 91 Gävle,  
Sweden  
Phone PBX: +46 26 420 90 42

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