The **Portico** DOCSIS mini-CMTS is a high capacity DOCSIS® 3.0 CMTS. Optimized for Ethernet over Coax (EoC) applications, Portico is a turnkey solution that can be easily deployed over existing coaxial cabling in MDU, hospitality and commercial locations to provide high speed connections for up to 248 (DOCSIS 3.0) concurrent cable modems. Portico has a built in DHCP/TFTP server and is also DOCSIS 2.0 compatible.

Portico - Front View

Features

- High Throughput
  - Downstream: Up to 800 Mbps EuroDOCSIS, Up to 600 Mbps DOCSIS
  - Upstream: Up to 120 Mbps
- Built in DHCP/TFTP server for provisioning (no external server is required)
- Up to 16 bonded downstream channels
- Up to 4 bonded upstream channels
- Web interface for configuration and management
- Backed by Vecima's maintenance and support options
- Proven standardized DOCSIS Quality of Service

Applications

- IPTV – Commercial or Hospitality
- Distributed CMTS
- Business Services
- High Speed MDU Broadband Access

DOCSIS is a registered trademark of Cable Television Laboratories Inc.

Portico - Rear View

Portico Specifications

Data Port

Physical Interface	1 x Gigabit Ethernet SFP, 1 x RJ45
Net Port Rate	10/100/1000 Mbps
Downstream Throughput	Annex A - Up to 800 Mbps EuroDOCSIS Annex B - Up to 600 Mbps DOCSIS
Upstream Throughput	Up to 120 Mbps
Dynamic Load Balancing	Supported

RF Output (DOCSIS)

	Downstream:	Upstream:
Port	1 x F-Type (75 Ω)	1 x F-Type (75 Ω)
Channels	16	4
Channel Width	6 or 8 MHz	1.6/3.2/6.4 MHz
Frequency	85 to 1002 MHz (band edges)	5 to 65 MHz (band edges)
Modulation	64/256 QAM	QPSK/16/64 QAM, SCDMA, ATDMA
Frequency	85 to 1002 MHz (band edges)	5 to 65 MHz (band edges)
Modulation	64/256 QAM	QPSK/16/64 QAM, SCDMA, ATDMA
Downstream Output Level	+60 dBmV per channel (single channel) +45 dBmV per channel (16 channels)	
Upstream Input Level	Bandwidth 6.4 MHz, -7 to +29 dBmV Bandwidth 3.2 MHz, -10 to +26 dBmV Bandwidth 1.6 MHz, -13 to +23 dBmV	

Control & Management

Command Line Interface (CLI)	Serial console connector, 1 x RJ45
Integrated Provisioning	TFTP and DHCP servers integrated
Supported Protocols	Euro-DOCSIS/DOCSIS3.0/2.0, TCP/IP, ARP, ICMP, VLAN, multicast, TFTP, SNMP, DHCP, DHCP relay agent, Telnet
Other	Layer 3 routing functions and load balancing

Chassis / Power / Environmental

Dimensions (H x W x D)	1.73" x 19" x 11.25" (4.4 cm x 48.26 cm x 28.58 cm)
Input Voltage Range	100 to 240 VAC, 50/60 Hz
Power Consumption	75 W
Operating Temp	32° to 104°F (0° to 40°C)
Certification	ROHS 2011/65/EU compliant

Mode	Maximum Number of Cable Modems Supported†
DOCSIS 2.0	495‡
DOCSIS 3.0	248 (16DSx4US)

† Actual results may vary based on cable plant conditions. ‡ Estimated

p: 1.306.955.7075
e: sales@vecima.com
w: www.vecima.com