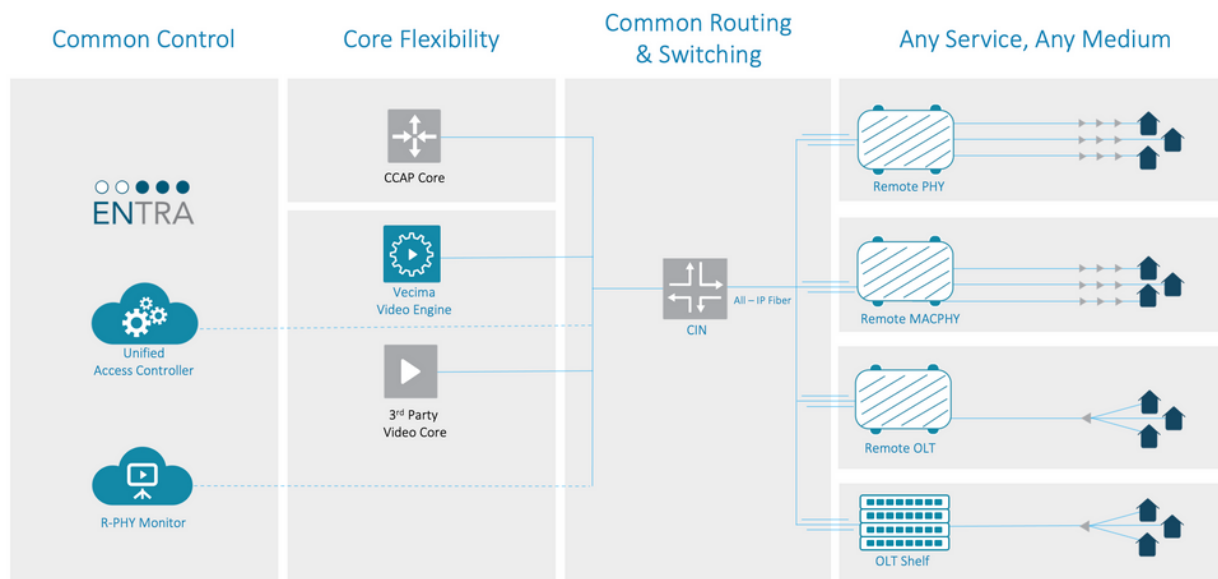


ERM322/324 RPD Module

The **Entra**® Access Platform is Vecima’s realization of the next generation of Cable Access products as optical transport moves away from analog RF distribution to all-digital Ethernet. Entra is optimized to support all Distributed Access Architectures and facilitate the delivery of existing video and data services over hybrid fiber coax (HFC) and direct fiber connections.



The Entra ERM322/324 Remote PHY Device (RPD) is a high-density standalone module that builds upon our field-proven RPD technology found in the Entra EN8100 DOCSIS 3.1 and EN8400 DOCSIS 4.0 capable 4-port nodes. The ERM322/324 is designed specifically to fit in new and existing nodes that are suitable for all markets. The ERM322 and ERM324 modules share the same form-factor with support for 2 downstream service groups where the ERM324 supports 4 upstream service groups and the ERM322 supports 2 upstream service groups.



ERM322/324 RPD Module

Highlights

- Space optimized RPD Module implementation of up to 2 DS x 4 US service groups
- RPD module suitable for use in multiple node platforms with adapter kits
- Core-neutral RPD implementation integrated with all existing CCAP cores
- Enables CCAP core evolution without any concerns of future distributed access node compatibility
- Supports DOCSIS and Ethernet services
- Supports legacy digital QAM video

ERM322/324 RPD Module

ERM322/324 Module Specifications

RPD Module		Module / Power / Environmental	
Timing Support	IEEE 1588v2 PTP Ordinary Clock Slave	Dimensions (H x W x L)	43 x 145 x 190 mm (1.7 x 5.7 x 7.5 in)
Multicast Support	IGMP v2/v3 and MLD v1/v2	Weight	< 3 lbs (1.36 kg)
Fiber Redundancy	Hot and cold standby support	Power	25V +/- 5% 2 A Typical, 2.4 A Max 50 W Typical, 60 W Max
Authentication	802.1X port-based EAP-TLS	DS RF Port	2 x SMB (75 ohm)
DOCSIS Operation Mode	Remote PHY	US RF Ports	4 x SMB (75 ohm)
DOCSIS 3.1 OFDM DS Channels	1 or 2 service groups x 6 OFDM (192 MHz) each	SFP+ Ports	3 x 10GE
DOCSIS 3.1 US Channels	ERM322: 1 or 2 service groups x 2 OFDMA (96 MHz) each ERM324: 1, 2 or 4 service groups x 2 OFDMA (96 MHz) each	Temperature (Operating)	-40 to +60°C (-40 to +140°F) ambient node housing
DOCSIS 3.0 DS Channels	1 or 2 service groups x 48 Annex A/B each	Humidity (Operational)	5 to 95%
DOCSIS 3.0 US Channels	24 ATDMA shared across all service groups	Mounting	Node specific adaptor kit (with included captive mounting screws)
Video QAM DS Channels	128 Annex B/C, 96 Annex A shared across both service groups	Compliance	
Video QAM Input Support	MPTS over L2TPv3 (R-DEPI) 10ms de-jitter, PCR restamping, NULL insertion/deletion, Synchronous and Asynchronous mode support *Specifications may be dependent on CCAP core support	Safety	IEC 62368-1 UL 62368-1 CAN/CSA C22.2 No. 62368-1
Control & Management		EMC	FCC Part 15B ICES-003 EN55032 EN55035
Primary Interface	Connected CCAP Core(s)	Environmental	RoHS REACH
Troubleshooting Interface	SSH	Supported Node Chassis	
Supported Node Chassis		Vecima	EN9000
Cisco	GS7000	CommScope (Arris)	OM4120, NC4000
Ordering Information			
ERM322	ERM322 RPD Module with 2 DS Service Groups / 2 US Service Groups, 3 SFP+ Ports		
ERM324	ERM324 RPD Module with 2 DS Service Groups / 4 US Service Groups, 3 SFP+ Ports		
ERM322-GS7000-KIT	ERM322 Universal RPD Module install kit for GS7000 nodes. Includes adaptor plate, RF, and power cables. Does not include RPD module and requires 1.2GHz capable node for full-spectrum operation.		
ERM322-OM4120-KIT	ERM322 Universal RPD Module install kit for OM4120 nodes. Includes adaptor plate, RF, and power cables. Does not include RPD module and requires 1.2GHz capable node for full-spectrum operation.		
ERM322-NC4000-KIT	ERM322 Universal RPD Module install kit for NC4000 nodes. Includes adaptor plate, RF, and power cables. Does not include RPD module and requires 1.2GHz capable node for full-spectrum operation.		
ERM324-GS7000-KIT	ERM324 Universal RPD Module install kit for GS7000 nodes. Includes adaptor plate, RF, and power cables. Does not include RPD module and requires 1.2GHz capable node for full-spectrum operation.		
ERM324-OM4120-KIT	ERM324 Universal RPD Module install kit for OM4120 nodes. Includes adaptor plate, RF, and power cables. Does not include RPD module and requires 1.2GHz capable node for full-spectrum operation.		
ERM324-NC4000-KIT	ERM324 Universal RPD Module install kit for NC4000 nodes. Includes adaptor plate, RF, and power cables. Does not include RPD module and requires 1.2GHz capable node for full-spectrum operation.		