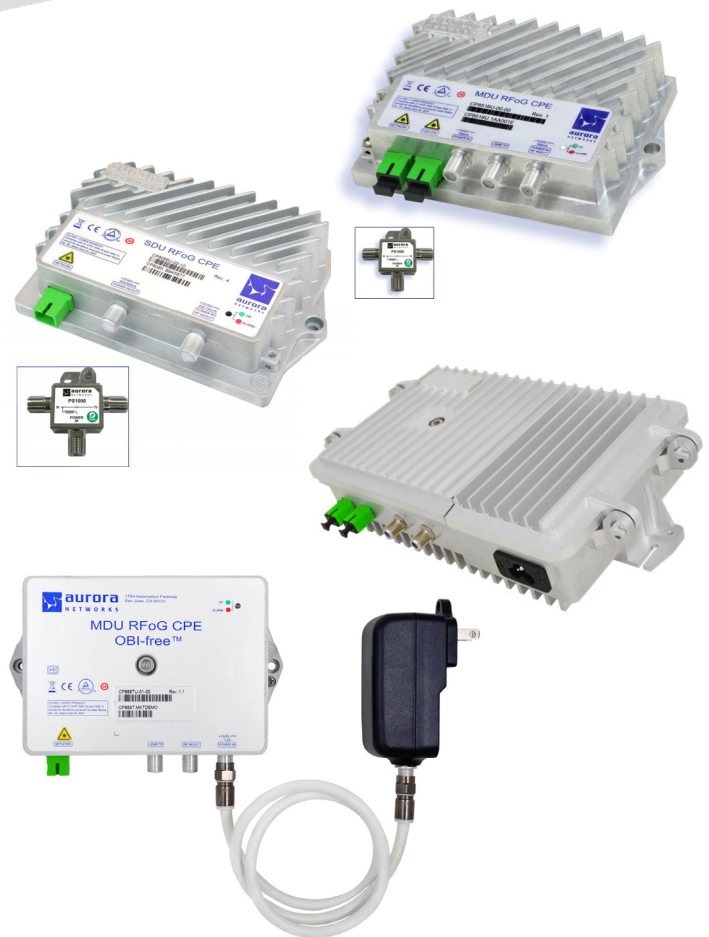


RF over Glass (RFoG)

RFoG ONU (R-ONU) CPE Summary

FEATURES

- Latest technology RFoG ONUs for SDU and MDU, including high-gain (48 dBmV) MDU applications
- Standards-compliant "OBI-free" technology models support DOCSIS® 3.0 upstream performance operation
- OBI-free versions support a variety of worldwide implementation needs, supporting up to 16 R-ONUs per optical receiver
- 10 Gbps and 1 Gbps PON passthrough versions support fast-growing RF+PON applications
- 5-42, 5-65, or 5-85 MHz return options on 1610 nm wavelength
- 51, 85, or 102 to 1218 MHz (1.2 GHz) forward bandwidth options on 1550 nm wavelengths
- Rugged cast housings meet tough environmental conditions
- Indoor and outdoor mounting options



PRODUCT OVERVIEW

ARRIS provides leading-edge RFoG compliant Optical Network Units (R-ONUs) enabling cable operators easy deployment of advanced fiber-to-the-home and fiber-to-the-building topologies that provide complete subscriber support while seamlessly integrating with existing headend and back-office technology and procedures. ARRIS R-ONUs support any RFoG solution that uses standard industry wavelengths to and from the customer premises. A large variety of model options are available to support worldwide deployments, features, and applications including Single Dwelling Unit (SDU), Multi-Dwelling Unit (MDU), and High-Output MDU (MDU-HO) installations. All models with 1610 nm returns support the optical overlay of both 10G and 1G PON signals without impacting existing RFoG services. PON passthrough versions are available with 1G, or both 10G and 1G connectivity, enabling operators to deploy advanced data services as required.



ARRIS's innovative "OBI-free" R-ONUs eliminate Optical Beat Interference (OBI) that has been an issue in traditional RFoG deployments. ARRIS OBI-free R-ONU technology supports simultaneous upstream RF channel transmissions, enabling multiple MAC domains and full DOCSIS 3.0 and 3.1 channel usage to efficiently coexist, providing full use of available upstream bandwidth usage for RF returns. OBI-free technology on selected models supports up to 16 R-ONUs transmitting into a single optical receiver input. Lower cost non-OBI-free R-ONUs are also available.

R-ONUs supporting all standard return passbands with forward bandwidths up to 1.2 GHz are available. All units are constructed in rugged cast metal housings and meet wide temperature ranges for both indoor and outdoor installations. Protective covers and various mounting hardware is available.

SPECIFICATIONS (PLEASE SEE INDIVIDUAL DATA SHEETS FOR COMPLETE DETAILS.)									
Model Name	SDU/MDU	RF Output Power dBmV	Rtn/Fwd Bandpass Options (MHz)	Fwd Upper Freq (MHz)	Return nm	OBI	1G PON	10G PON	Power Supply
CP801TU-01-00	SDU	19	x = 1	1002	1610	Unmanaged-fixed			PS1921W-10
CP85xTU-01-00	MDU	36	x = 1,4,9	1002	1610	Unmanaged-fixed			PS1921W-10
CP85xUU-01-00	MDU	36	x = 1,4,9	1002	1610	Unmanaged-fixed	✓		PS1921W-10
CP85xWU-01-00	MDU	36	x = 1,4,9	1002	1610	Unmanaged-fixed	✓	✓	PS1921W-10
CP86xTU-01-00	MDU-HO	48	x = 1,4,9	1218	1610	Unmanaged-fixed			NA: Built-in
CP86xWU-01-00	MDU-HO	48	x = 1,4,9	1218	1610	Unmanaged-fixed	✓	✓	NA: Built-in
CP80x5U-02-10	SDU	19	x = 1,4,9	1002	1610	NA			PS1911, PS1921W-10
CP80x6U-02-10	SDU	19	x = 1,4,9	1002	1610	NA	✓		PS1911, PS1921W-10
CP80x8U-02-10	SDU	19	x = 1,4,9	1002	1610	NA	✓	✓	PS1911, PS1921W-10
CP80x5U-20-10	SDU	20	x = 1,4,9	1218	1610	NA			PS1911, PS1921W-10
CP80x8U-20-10	SDU	20	x = 1,4,9	1218	1610	NA	✓	✓	PS1911, PS1921W-10
CP85x7U-00-10	MDU	36	x = 1,4	1002	1610	NA			PS1911, PS1921W-10
CP85x6U-00-10	MDU	36	x = 1,4	1002	1610	NA	✓		PS1911, PS1921W-10
CP85x8U-00-10	MDU	36	x = 1,4,9	1002	1610	NA	✓	✓	PS1911, PS1921W-10
	HO=high output		1=42/54; 4=65/85; 9=85/102 Return lower limit for all p/ns = 5 MHz			Unmanaged-fixed OBI-free requires a pre-conditioning selection switch to be set within the R-ONU.			PS1911 = USA PS1921W-10 Universal, meets DOE Class VI efficiency requirements

RELATED PRODUCTS	
CE8300H Outdoor Enclosure Kit	CC8300H Indoor Cover
CE8302H-IND Mounting Bracket/Fiber Tray	OR4xxx Optical Receiver OR3xxx Optical Receiver

Customer Care

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

Note: Specifications are subject to change without notice.

Copyright Statement: ©ARRIS Enterprises, LLC, 2018. All rights reserved. No part of this publication may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from ARRIS Enterprises, LLC ("ARRIS"). ARRIS reserves the right to revise this publication and to make changes in content from time to time without obligation on the part of ARRIS to provide notification of such revision or change. ARRIS and the ARRIS logo are registered trademarks of ARRIS Enterprises, LLC. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks or the names of their products. ARRIS disclaims proprietary interest in the marks and names of others. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.